

DOCKET NO.: CING-0036/573.US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Steven T. Kanefsky

Application No.: 09/855,117

Filing Date: May 14, 2001

For: METHODS AND SYSTEMS FOR SEARCHING AND MANAGING
INFORMATION ON WIRELESS DATA DEVICES



DATE OF DEPOSIT: February 24, 2006

I HEREBY CERTIFY THAT THIS PAPER IS BEING
DEPOSITED WITH THE UNITED STATES POSTAL
SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID,
ON THE DATE INDICATED ABOVE AND IS
ADDRESSED TO THE COMMISSIONER FOR PATENTS,
P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

TYPED NAME: Lawrence A. Aaronson
REGISTRATION NO.: 38,369

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT UNDER 37 CFR § 3.73(b)

Cingular Wireless, II, LLC, a limited liability company

states that it is:

- ☒ the assignee of the entire right, title, and interest; or
☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above.
☐ 1. The assignment was recorded in the Patent and Trademark Office at Reel
, Frame(s)
☐ 2. The assignment has not yet been recorded. A copy of the assignment is
attached.

BEST AVAILABLE COPY

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

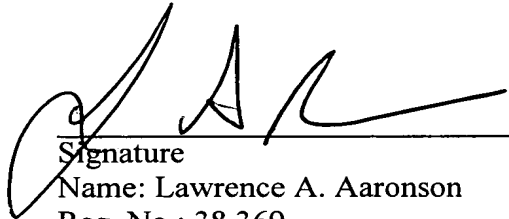
- i. **From: Steven T. Kanefsky To: AT&T Wireless Services, Inc.** The document was recorded in the Patent and Trademark Office at Reel 011815, Frame(s) 0496, or for which a copy thereof is attached.
- ii. **From: New Cingular Wireless Services, Inc. (f/k/a AT&T Wireless Services, Inc.) To: Cingular Wireless, II, LLC.** The document was sent to the United States Patent and Trademark Office for recordation on September 27, 2005. A copy thereof is attached

☒ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

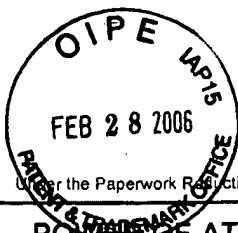
The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: February 24, 2006



Signature
Name: Lawrence A. Aaronson
Reg. No.: 38,369

Woodcock Washburn LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439



POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:



Practitioners associated with the Customer Number:

54499

OR



Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address associated with Customer Number:

OR



Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

Assignee Name and Address:

Cingular Wireless, II, LLC
5565 Glenridge Connector
Atlanta, Georgia 30342

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	February 21, 2006
Name	Carol Tacker	Telephone	
Title	Vice President, Assistant General Counsel, Corporate Secretary		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



CING-0048

Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

AT&T Wireless Services, Inc.

Execution Date(s) 5/26/2005

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Cingular Wireless II, Inc.

Internal Address: Suite 1700

Street Address: 5565 Glenridge Conn.

City: Atlanta

State: Georgia

Country: USA

Zip: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

See Attached Sheets



This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☒ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Cingular Wireless, LLC

Internal Address: Attn: Linda Giles; #1725A

Street Address: 5565 Glenridge Connector

City: Atlanta

State: Georgia

Zip: 30066

Phone Number: (404) 236-6720

Fax Number: _____

Email Address: linda.giles@cingular.com

6. Total number of applications and patents involved:

33

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 1320.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 50-2450

Authorized User Name Coulter C. Henry

9. Signature:

Coulter C. Henry

Signature

5/26/2005

Date

Coulter C. Henry; Reg. No.: 51,121

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Patent Applications Subject to Assignment
Cingular Wireless II, Inc.
May 26, 2005

10/965,466	10/937,300
11/000,353	11/017,787
11/105,049	11/036,159
11/054,695	
10/933,677	
11/097,459	
10/929,732	
29/213,592	
10/990,106	
10/990,111	
10/990,105	
10/950,034	
10/989,710	
10/940,576	
10/939,103	
10/959,553	
10/990,635	
11/087,390	
10/943,500	
11/058,103	
11/051,493	
11/022,048	
11/018,780	
10/963,838	
11/065,971	
10/984,618	
11/092,511	
11/092,199	
10/938,569 - CING - 0044	
10/939,366	

SECOND AMENDMENT TO PATENT ASSIGNMENT AGREEMENT

This Second Amendment To - PATENT ASSIGNMENT AGREEMENT is made this 26th day of May, 2005 and is added to and amends the PATENT ASSIGNMENT AGREEMENT by and between New Cingular Wireless Services, Inc., a Delaware corporation ("Assignor") f/k/a AT&T Wireless Services, Inc. as ASSIGNOR and Cingular Wireless II, Inc., a Delaware corporation as ASSIGNEE, which the Patent Assignment Agreement is dated the 27th day of October, 2004.

Schedule A is hereby amended in accordance with the attached additions.

All other provisions in the Patent Assignment Agreement and Schedule A shall remain unchanged and in full force and effect.

[signatures on following pages]

Executed this 26th day of May, 2005.

**Assignor: New Cingular Wireless Services, Inc. f/k/a
AT&T Wireless Services, Inc.**

By:
Name:
Title:



Sean Foley
Vice President, Treasurer and Corporate Development



STATE OF Georgia
COUNTY OF Fulton

On this 26th day of May, 2005, before me, a Notary Public in and for the State and County foresaid, personally appeared Sean Foley known by me to be the person above named and an officer of New Cingular Wireless Services, Inc., duly authorized to execute this Assignment Agreement on behalf of New Cingular Wireless Services, Inc., who signed and executed the foregoing instrument on behalf of New Cingular Wireless Services, Inc.

Notary Public My Commission Expires:



Notary Public, Cobb County, Georgia
My Commission Expires March 16, 2008

Acknowledged this 26th day of May, 2005.

Assignee: CINGULAR WIRELESS II, INC.

By:
Name:
Title:



Sean Foley
Vice President, Treasurer and Corporate Development

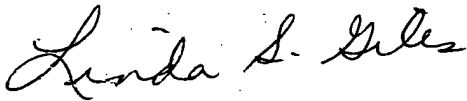


STATE OF Georgia
COUNTY OF Fulton

On this ^{26th LSG} 13th day of May, 2005, before me, a Notary Public in and for the State and County foresaid, personally appeared Sean Foley known by me to be the person above named and an officer of Cingular Wireless II, Inc., duly authorized to execute this Assignment Agreement on behalf of Cingular Wireless II, Inc., who signed and executed the foregoing instrument on behalf of Cingular Wireless II, Inc.

Notary Public My Commission Expires:

Notary Public, Cobb County, Georgia
My Commission Expires March 16, 2008



Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)

10-07-2005



.103096422

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

AT&T Wireless Service, Inc.

Execution Date(s) 10/27/2005; 4/11/2005

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Cingular Wireless II, LLC.

Internal Address: Suite 1700

Street Address: 5565 Glenridge Conn.

City: Atlanta

State: Georgia

Country: USA

Zip: 30342

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

See Attached Sheets

☐ This document is being filed together with a new application.

B. Patent No.(s)

See Attached Sheets

Additional numbers attached? ☒ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Cingular Wireless, LLC

Internal Address: Attn: Linda Giles

#1725A

Street Address: 5565 Glenridge Connector

City: Atlanta

State: Georgia Zip: 30342

Phone Number: 404-236-6720

Fax Number: _____

Email Address: linda.giles@cingular.com

6. Total number of applications and patents involved:

513

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 20,520

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
 Expiration Date _____

b. Deposit Account Number 502450

Authorized User Name Coulter C. Henry

9. Signature:

Signature

9/27/2005

Date

Coulter C. Henry; Reg. No.: 51,121

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

134

Patents

5197092	5889814	6085114	6334188
5541977	5896425	6092110	6343120
5611176	5903845	6118778	6359923
5638081	5905955	6122503	6363127
5641141	5907565	6125122	6373931
5659578	5907801	6134261	6377783
5675590	5909641	6141545	6377787
5675629	5923700	6144851	6389087
5722084	5930362	6157633	6393014
5724660	5931965	6158008	6393283
5732354	5933421	6160839	6400940
5732383	5933778	6167261	6404388
5737707	5940740	6167274	6405032
5754952	5946615	6169895	6405041
5784417	5950125	6175555	6408016
5790551	5950134	6185258	6411807
5802470	5953652	6188736	6418307
5809083	5956636	6188897	6418318
5819173	5960339	6188899	6427071
5832367	5960340	6195532	6430396
5838728	5966642	6201797	6442222
5845198	5974311	6219542	6445716
5845207	5991410	6223042	6445912
5854984	5995830	6229885	6456843
5864543	5995834	6230009	6459740
5865503	6002664	6239719	6459897
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5875187	6014559	6282420	6473623
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5875398	6047200	6311064	6480720
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Patent Applications

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Patent Applications

09/546794	60/519947	10/725468	10/336640
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60/557153	10/949313	10/199100	10/950034
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10/822187	10/937300	10/326700	10/938569
10/763862	09/135348	10/336227	10/918697
60/562785	09/135086	10/336229	10/941805

Patent Applications

10/941247

10/933677

10/940576

10/939103

29/213592

10/367981

Execution Copy

PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT ("Assignment") is executed by and between New Cingular Wireless Services, Inc., a Delaware corporation ("Assignor") f/k/a AT&T Wireless Services, Inc., on the one hand, and Cingular Wireless II, Inc., a Delaware corporation ("Assignee"), on the other hand.

WHEREAS, Assignor is the owner of certain patentable inventions, patent applications and patents (as disclosed and set forth in Schedule A; collectively, the "Patents"), which Assignor desires to assign to Assignee; and

WHEREAS, Assignee desires to accept such assignment of the Patents.

NOW, THEREFORE, in consideration of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Assignment of Patents. Effective as of the date hereof, Assignor assigns, transfers and conveys to Assignee, its successors, assigns and legal representatives, all of Assignor's right, title and interest in and to the Patents, all agreements and contracts of Assignor related to such Patents (the "Related Agreements") and the improvements and inventions disclosed in said Patents throughout the world, and all divisions, reexaminations, reissues, substitutions, continuations, continuations-in-part and extensions thereof, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions and improvements in Assignee's own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said inventions in appropriate registries. Assignor authorizes and requests the Commissioner of Patents and Trademarks and any foreign registrar or governmental authority to issue all patents on said applications or applications resulting therefrom to said Assignee, as assignee of Assignor's entire interest. Assignor agrees that it will communicate to said Assignee or its representatives any facts known to Assignor respecting said improvements and inventions, and, at Assignee's expense, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns and nominees, to obtain and enforce proper protection for said Patents in all countries, and asserts that it will not execute any agreements inconsistent therewith. Assignee acknowledges that Assignor's assignment of any jointly owned Patent identified on Schedule A shall be subject to any rights such joint owner may have in such Patent.

2. Assumption. Effective as of the date hereof, Assignee hereby assumes the due and full payment and performance of all of the liabilities and obligations of Assignor under the Related Agreements.

3. Governing Law. This Assignment shall be governed by and construed in accordance with the laws of the United States of America and of the State of Delaware.

Execution Copy

4. Successors and Assigns. This Assignment shall inure to the benefit of and be binding on the successors and assigns of both parties.

5. Patents Subject to Consent. To the extent that any of the Assignor's right, title or interest in and to the Patents or any other rights, contracts, agreements or assets of the Assignor related thereto and/or liabilities or obligations of Assignor purported to be assigned hereunder may not be assigned, transferred or conveyed to, or assumed by, Assignee without the consent, release, authorization or waiver of any third party and such consent, release, authorization or waiver has not been obtained prior to the date hereof (such Patents and other rights, contracts, agreements and assets, the "Non-Transferable Patents" and such liabilities and obligations, "Non-Transferable Liabilities"), this Assignment shall not constitute an assignment, transfer, conveyance or assumption or an attempted assignment, transfer, conveyance or assumption thereof. In this circumstance, this Assignment shall to the extent possible under the Non-Transferable Patent and applicable law constitute an equitable assignment by Assignor to Assignee of all of Assignor's right, title and interest in and to, the Non-Transferable Patents and Assignee shall be deemed to be Assignor's agent for the purpose of paying, performing or discharging the Non-Transferable Liabilities on behalf of Assignor. Assignor shall take all actions reasonably requested by Assignee to provide Assignee with the benefits of the Non-Transferable Patents, including with respect to the enforcement of rights with respect thereto. Assignee shall, with respect to the Non-Transferable Liabilities, pay, perform or discharge in accordance with their terms all liabilities and obligations of Assignor under the Non-Transferable Liabilities. If Assignor is unable to effect an equitable assignment of any Non-Transferable Patent, Assignor shall transfer to Assignee an amount of cash equal to the fair market value (determined as of the date of this Assignment) of such Non-Transferable Patent.

[signatures on following pages]

Execution Copy

Executed this 27th day of October, 2004.

Assignor: NEW CINGULAR WIRELESS SERVICES, INC. f/k/a
AT&T Wireless Services, Inc.

By: [Signature]
Name: Stephen A. McGraw
Title: Vice President - Corporate Development

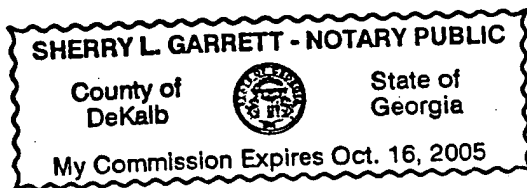


STATE OF Georgia
COUNTY OF Fulton

On this 27 day of October, 2004, before me, a Notary Public in and for the State and County
foresaid, personally appeared Stephen A. McGraw known by me to be the person
above named and an officer of New Cingular Wireless Services, Inc., duly authorized to execute
this Assignment Agreement on behalf of New Cingular Wireless Services, Inc., who signed and
executed the foregoing instrument on behalf of New Cingular Wireless Services, Inc.

Notary Public My Commission Expires:

Sherry L. Garrett



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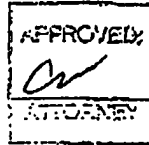
Acknowledged this 27th day of October, 2004.

Assignee: CINGULAR WIRELESS II, INC.

By: [Signature]

Name: Stephen A. McGaw

Title: Vice President - Corporate Development

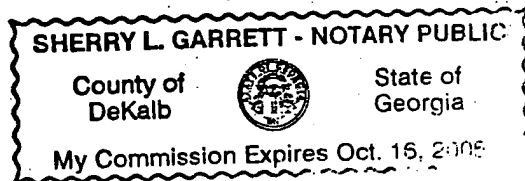


STATE OF Georgia
COUNTY OF Fulton

On this 27 day of October, 2004, before me, a Notary Public in and for the State and County
foresaid, personally appeared Stephen McGaw known by me to be the person
above named and an officer of Cingular Wireless II, Inc., duly authorized to execute this
Assignment Agreement on behalf of Cingular Wireless II, Inc., who signed and executed the
foregoing instrument on behalf of Cingular Wireless II, Inc.

Notary Public My Commission Expires:

Sherry L. Garrett



Schedule A (2nd Revision)

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
917.US	10/965,466		AT&T Wireless	USA	10/13/2004		Adjusting Link Layer Control Frame to Facilitate Data Throughput
504.US.C1	11/000,353		AT&T Wireless	USA	11/29/2004		A Method for Programming a Mobile Station Using a Permanent Mobile Station Identifier
606.US.CP1(1)	11/105,049		AT&T Wireless	USA	4/11/2005		Secure Online Purchasing
883.US	11/054,695		AT&T Wireless	USA	2/10/2005		System and Method for a Telecommunications Network
929.US	10/933,677		AT&T Wireless	USA	9/03/2004		System and Method for Data Organization and Display in an Instant-messaging Interface
782.US.C1	11/097,459		AT&T Wireless	USA	4/01/2005		Adaptive Dual-polarization Communication of Orthogonal Frequency Division Multiplexed Signals
755.US1	10/929,732		AT&T Wireless	USA	8/30/2004		System and method for Data Scrambling to Reduce the Crest Factor in an OFDM Waveform
936.US	29/213,592		AT&T Wireless	USA	20-Sep-2004		MOBILE COMMUNICATIONS DEVICE
896.US	10/990,106		AT&T Wireless	USA	15-Nov-2004		SUBSCRIBER IDENTITY MODULE WITH VIDEO PERMISSIONS
896.US.D1	10/990,111		AT&T Wireless	USA	15-Nov-2004		PERSONAL BASE STATION WITH WIRELESS VIDEO CAPABILITY

Schedule A (2nd Revision)

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
863.US	10/990,105		AT&T Wireless	USA	15-Nov-2004		METHOD, SYSTEMS AND APPARATUS FOR PROVIDING WIRELESS IDENTIFICATION TO STANDARD TELEPHONE
886.US	10/950,034		AT&T Wireless	USA	24-Sep-2004		A STANDARDS-BASED TERMINAL LOCATION SERVER SOLUTION FOR LOCATION APPLICATIONS
893.US	10/989,710		AT&T Wireless	USA	15-Nov-2004		OVER THE AIR PROGRAMMING/ACTIVATION FOR SIM ENABLED DATA DEVICE
930.US	10/940,576		AT&T Wireless	USA	14-Sep-2004		DEDICATED WIRELESS DEVICE BUSINESS MODEL
931.US	10/939,103		AT&T Wireless	USA	10-Sep-2004		ALWAYS ON MOBILE IM / MESSAGING CENTRIC WIRELESS DEVICE
924.US	10/959,553		AT&T Wireless	USA	06-Oct-2004		IMPROVING VOICE QUALITY BASED ON CUSTOMER FEEDBACK
939.US	10/990,635		AT&T Wireless	USA	17-Nov-2004		Method and System for Providing Location Information for emergency Services
156.US.020(3)	11/087,390		AT&T Wireless	USA	3/22/2005		Cyclic Trellis Coded Modulation Methods and Systems for Communicating and Controlling Facsimile Information
490.US.C1	10/943,500		AT&T Wireless	USA	9/17/2004		System and Method for Providing an Adapter Module
577.US.C1	11/058,103		AT&T Wireless	USA	2/14/2005		System and Method for Providing an Adapter module
577.US1	11/051,493		AT&T Wireless	USA	2/4/2005		Method for Frequency Division Duplex Communications
702.US.C1(2)	11/022,048		AT&T Wireless	USA	12/22/2004		Low complexity Maximum Likelihood Detection of Concatenate space Codes for Wireless Applications
731.US.D1C2	11/018,780		AT&T Wireless	USA	12/21/2004		

Schedule A (2nd Revision)

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
735.US.C1(1)	10/963,838		AT&T Wireless	USA	10/12/2004		Maximum Ratio Transmission
890.US	11/065,971		AT&T Wireless	USA	2/24/2005		System and Method for Providing Location-based Services in a Wireless Network, Such as Providing Notification Regarding Meetings, Destination Arrivals, and the Like
895.US.C1	10/984,618		AT&T Wireless	USA	11/08/2004		System for Providing Location-based Services in a Wireless Network, Such as Locating Sets of Desired Locations
927.US.C1	11/092,511		AT&T Wireless	USA	3/28/2005		Using Emoticons, Such as for Wireless Devices
928.US.C1	11/092,199		AT&T Wireless	USA	3/28/2005		Customer Service Messaging, Such as on Mobile Devices
908.US	10/938,569		AT&T Wireless	USA	9/13/2004		Method and System for controlling the Operation of Movable Wireless Networks
733.US.C1	10/939,366		AT&T Wireless	USA	9/14/2004		Method for Location-Based Asset Management
333.US.C1(1)	10/937,300		AT&T Wireless	USA	9/10/2004		Method and System for Providing Data Communication with a Mobile Station
422.US.C1	11/017,787		AT&T Wireless	USA	12/22/2004		Integrated Number- Phase 1
301.US.C1(1)	11/036,159		AT&T Wireless	USA	1/18/2005		Method and Apparatus for Message Transmission Verification

Schedule APatents

- All inventions and trade secrets and related rights of Assignor not otherwise listed below

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
145.US	08/490563	5638081	AT&T Wireless	United States	15-Jun-95	10-Jun-97	Antenna for Enhanced Radio Coverage
148.US	29/041775	D383463	AT&T Wireless	United States	07-Jun-95	09-Sep-97	Antenna
149.EPC	95902387		AT&T Wireless	European Patent Convention	06-Oct-94		Antenna Mounting System
149.US	1965220	5641141	AT&T Wireless	United States	06-Jun-95	24-Jun-97	Antenna Mounting System Arrangement of Displays for a Wireless Communications Terminals
150.US	29/024956	D389140	AT&T Wireless	United States	23-Sep-94	13-Jan-98	Wireless Communications Terminals
153.US	29/024955	D363281	AT&T Wireless	United States	23-Jun-94	17-Oct-95	Terminal
154.US.C2	08/979110	6587700	AT&T Wireless	United States	26-Nov-97	01-Jul-03	Personal Communicator With Flip Element Display
154.US.C2(1)	10/455125		AT&T Wireless	United States	05-Jun-03		Personal Communicator With Flip Element Display
							High Rate Reed-Solomon Concatenated Trellis Coded 16 Star QAM System for Transmission of Data Over Cellular Mobile Radio
155.BR	P19509749-0	P19509749-0	AT&T Wireless	Brazil	22-Nov-95	17-Feb-04	High Rate Reed-Solomon Concatenated Trellis Coded 16 Star QAM System for Transmission of Data Over Cellular Mobile Radio
155.CA	2203903		AT&T Wireless	Canada	22-Nov-95		

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Docket Number	Application Number	Patent Number	Country Name	Application Date	Grant Date	Title
155.MX	9703830	195559	Mexico	22-Nov-95	16-Mar-00	High Rate Reed-Solomon Concatenated Trellis Coded 16 Star QAM System for Transmission of Data Over Cellular Mobile Radio
155.US	08/344156	5659578	United States	23-Nov-94	19-Aug-97	High Rate Reed-Solomon Concatenated Trellis Coded 16 Star QAM System for Transmission of Data Over Cellular Mobile Radio
155.US.C1	-626907	5838728	United States	06-May-97	17-Nov-98	High Rate Reed-Solomon Concatenated Trellis Coded 16 Star QAM System for Transmission of Data Over Cellular Mobile Radio
156.BR	PI9509908-5	mailed	Brazil	22-Nov-95	13-Apr-04	Cyclic Trellis Coded Modulation
156.MX	9703831	196647	Mexico	22-Nov-95	25-May-00	Cyclic Trellis Coded Modulation
156.US	08/344111	5675590	United States	23-Nov-94	07-Oct-97	Cyclic Trellis Coded Modulation
156.US.C1	08/890507	5931965	United States	09-Jul-97	03-Aug-99	Cyclic Trellis Coded Modulation
156.US.D1	08/570289	5784417	United States	11-Dec-95	21-Jul-98	Cyclic Trellis Coded Modulation
156.US.D2	08/581477	5907565	United States	17-Nov-95	25-May-99	Cyclic Trellis Coded Modulation
156.US.D2C1(1)	10/039038	6578173	United States	04-Jan-02	10-Jun-03	Cyclic Trellis-Coded Modulation
156.US.D2C1(2)	10/434385		United States	07-May-03		Cyclic Trellis-Coded Modulation
157.BR	PI9509910-7	PI9509910-7	Brazil	22-Nov-95	17-Jul-03	System and Method for Wireless Transmission of Digital Data Using Differentially Encoded Pilot Words
157.CA	2203902		Canada	22-Nov-95		Differentially Encoded Pilot Word System and Method

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
							for Wireless Transmissions of Digital Data
157.MX	9703832	195560	AT&T Wireless	Mexico	22-Nov-95	16-Mar-00	System and Method for Wireless Transmission of Digital Data Using Differentially Encoded Pilot Words
157.US	08/344238	5809083	AT&T Wireless	United States	23-Nov-94	15-Sep-98	Differentially Encoded Pilot Word System and Method for Wireless Transmissions of Digital Data
177.DE	566582	69128727.9	AT&T Wireless	Germany	31-Oct-91	14-Jan-98	Location Registration System for a Personal Communicator Such as a Cellular Telephone
177.DK	92900021.4	566582	AT&T Wireless	Denmark	31-Oct-91	14-Jan-98	Location Registration System for a Personal Communicator Such as a Cellular Telephone
177.FR	92900021.4	566582	AT&T Wireless	France	31-Oct-91	14-Jan-98	Location Registration System for a Personal Communicator Such as a Cellular Telephone
177.GB	92900021.4	566582	AT&T Wireless	Great Britain	31-Oct-91	14-Jan-98	Location Registration System for a Personal Communicator Such as a Cellular Telephone
177.SE	566582	566582	AT&T Wireless	Sweden	31-Oct-91	14-Jan-98	Location Registration System for a Personal Communicator Such as a Cellular Telephone
177.SP	566582	2112309	AT&T Wireless	Spain	31-Oct-91	14-Jan-98	Location Registration System for a Personal Communicator Such as a Cellular Telephone
177.US	07/606523	5197092	AT&T Wireless	United States	31-Oct-90	23-Mar-93	Location Registration System for a Personal Communicator Such as a Cellular Telephone
206.CA	2188334	2188334	AT&T Wireless	Canada	21-Oct-96	17-Apr-01	Powered Down Selection of a Preferable Wireless Communications Service Provider in a Multi-Service

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
							Provider Environment
206.EPC	96120004.5	779751	AT&T Wireless	European Patent Convention	12-Dec-96	10-Dec-03	Powered Down Selection of a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
206.GB	96120004.5	779751	AT&T Wireless	Great Britain	12-Dec-96	10-Dec-03	Powered Down Selection of a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
206.MX	966233	202958	AT&T Wireless	Mexico	09-Dec-96	06-Jul-01	Powered Down Selection of a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
206.US	08/570902	6298235	AT&T Wireless	United States	12-Dec-95	02-Oct-01	Powered Down Selection of a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
206.US.C1	1065658		AT&T Wireless	United States	14-Jun-99		Powered Down Selection of a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
206.US.C2	-25322	6311064	AT&T Wireless	United States	28-Nov-00	30-Oct-01	Powered Down Selection of a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
207.BR	9706556		AT&T Wireless	Brazil	09-Jun-97		Memory Exceed Notification for Wireless Network Communication Device
207.MX	981350		AT&T Wireless	Mexico	09-Jun-97		Memory Exceed Notification for Wireless Network Communication Device
207.PCT	PCT/US97/10095		AT&T Wireless	Patent Cooperation	09-Jun-97		Memory Exceed Notification for Wireless

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
				Treaty			Network Communication Device
207.TW	86108772	114335	AT&T Wireless	Taiwan	23-Jun-97	24-Aug-00	Memory Exceed Notification for Wireless Network Communication Device
207.US.C1	09/519993	6628935	AT&T Wireless	United States	07-Mar-00	30-Sep-03	Memory Exceed Notification for Wireless Network Communication Device
209.TW	86118807	103007	AT&T Wireless	Taiwan	12-Dec-97	08-Sep-99	Landline-Supported Private Base Station for Collecting Data and Switchable Into a Cellular Network
209.US	08/766371	6169895	AT&T Wireless	United States	17-Dec-96	02-Jan-01	Landline-Supported Private Base Station for Collecting Data and Switchable Into a Cellular Network
210.BR	9710989-4		AT&T Wireless	Brazil	24-Jun-97		Telephone System Having Landline-Supported Private Base Station Switchable Into Cellular Network
210.CA	2259273	2259273	AT&T Wireless	Canada	24-Jun-97	18-Mar-03	Telephone System Having Landline-Supported Private Base Station Switchable Into Cellular Network
210.EPC	97930213		AT&T Wireless	European Patent Convention	24-Jun-97		Telephone System Having Landline-Supported Private Base Station Switchable Into Cellular Network
210.JP	10-504243		AT&T Wireless	Japan	24-Jun-97		Telephone System Having Landline-Supported Private Base Station Switchable Into Cellular Network
210.MX	990238		AT&T Wireless	Mexico	24-Jun-97		Telephone System Having Landline-Supported Private Base Station Switchable Into Cellular Network
210.TW	86108826	93482	AT&T Wireless	Taiwan	24-Jun-97	16-Jul-98	Telephone System Having Landline-Supported Private Base Station Switchable Into Cellular Network

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
210.US	08/671745	6035193	AT&T Wireless	United States	28-Jun-96	07-Mar-00	Telephone System Having Landline-Supported Private Base Station Switchable Into Cellular Network
211.CA	2195494	2195494	AT&T Wireless	Canada	20-Jan-97	24-Apr-01	Roaming Authorization System
211.EPC	97101730.6			European Patent Convention	04-Feb-97		Roaming Authorization System
211.US	1951340	6411807	AT&T Wireless	United States	05-Feb-96	25-Jun-02	Roaming Authorization System
211.US.C1	10/051713	6560455	AT&T Wireless	United States	17-Jan-02	06-May-03	Roaming Authorization System
213.CA	2195487	2195487	AT&T Wireless	Canada	20-Jan-97	15-Oct-02	Location-Dependent Cellular Service Profile
213.US	08/603290	5950125	AT&T Wireless	United States	20-Feb-96	07-Sep-99	Location-Dependent Cellular Service Profile
218.BR.CP1	-74447		AT&T Wireless	Brazil	20-Feb-97		Method and Apparatus for Determining the Location of a Mobile Telephone
218.CA.CP1	2195591	2195591	AT&T Wireless	Canada	21-Jan-97	04-Sep-01	Method and Apparatus for Determining the Location of a Mobile Telephone
218.MX.CP1	971205	200820	AT&T Wireless	Mexico	17-Feb-97	09-Feb-01	Method and Apparatus for Determining the Location of a Mobile Telephone
218.US	08/472082	5732354	AT&T Wireless	United States	07-Jun-95	24-Mar-98	Method and Apparatus for Determining the Location of a Mobile Telephone
218.US.CP1	08/603793	5724660	AT&T Wireless	United States	20-Feb-96	03-Mar-98	Method and Apparatus for Determining the Location of a Mobile Telephone
221.CA	2191143	2191143	AT&T Wireless	Canada	25-Nov-96	16-May-00	Radio Telephone With Detachable Pager
221.US	08/576385	5854984	AT&T Wireless	United States	21-Dec-95	29-Dec-98	Radio Telephone With Detachable Pager
223.CA	2219366		AT&T Wireless	Canada	04-Dec-96		Method and Apparatus for Indicating to a Wireless Network the Operational Mode of a Wireless Communicator

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
223.EPC	96944746.5		AT&T Wireless	European Patent Convention	04-Dec-96		Method and Apparatus for Indicating to a Wireless Network the Operational Mode of a Wireless Communicator
223.MX	976970		AT&T Wireless	Mexico	04-Dec-96		Method and Apparatus for Indicating to a Wireless Network the Operational Mode of a Wireless Communicator
223.US	08/571050		AT&T Wireless	United States	12-Dec-95		Method and Apparatus for Indicating to a Wireless Network the Operational Mode of a Wireless Communicator
224.CA	2188330	2188330	AT&T Wireless	Canada	21-Oct-96	24-Apr-01	A Method for Selecting a Wireless Communications Service Provider in a Multi-Service Provider Environment
224.EPC	96120011		AT&T Wireless	European Patent Convention	12-Dec-96		A Method for Selecting a Wireless Communications Service Provider in a Multi-Service Provider Environment
224.MX	966230	200025	AT&T Wireless	Mexico	09-Dec-96	13-Dec-00	A Method for Selecting a Wireless Communications Service Provider in a Multi-Service Provider Environment
224.US.C1	08/969710 ✓	5832367	AT&T Wireless	United States	29-Oct-97	03-Nov-98	A Method for Selecting a Wireless Communications Service Provider in a Multi-Service Provider Environment
224.US.C2	09/152927	6282420	AT&T Wireless	United States	15-Sep-98	28-Aug-01	A Method for Selecting a Wireless Communications Service Provider in a Multi-Service Provider Environment
224.US.C2C1	09/425240	6430396	AT&T Wireless	United States	25-Oct-99	06-Aug-02	A Method for Selecting a Wireless Communications Service Provider in a Multi-Service Provider Environment

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
							Environment
224.US.C2C1(1)	10/154856	6771961	AT&T Wireless	United States	28-May-02	03-Aug-04	A Method for Selecting a Wireless Communications Service Provider in a Multi-Service Provider Environment
224.US.C2C1(2)	-603471		AT&T Wireless	United States	25-May-04		A Method for Selecting a Wireless Communications Service Provider in a Multi-Service Provider Environment
225.US.C1	08/901827	5974311	AT&T Wireless	United States	28-Jul-97	26-Oct-99	Method and Apparatus for Storing Activation Data in a Cellular Telephone
225.US.C2	09/219872	6650893	AT&T Wireless	United States	24-Dec-98	18-Nov-03	Method and Apparatus for Storing Activation Data in a Cellular Telephone
225.US.C3	1902793	6748209	AT&T Wireless	United States	09-Aug-01	08-Jun-04	Method and Apparatus for Storing Activation Data in a Cellular Telephone
225.US.C4	10/805247		AT&T Wireless	United States	22-Mar-04		Method and Apparatus for Storing Activation Data in a Cellular Telephone
226.CA	2182817	2182817	AT&T Wireless	Canada	07-Aug-96	09-Apr-02	Method and Apparatus for Spectrum Analysis
226.US.C1	09/439015	6584175	AT&T Wireless	United States	12-Nov-99	24-Jun-03	Method and Apparatus for Spectrum Analysis
232.CA	2274517		AT&T Wireless	Canada	16-Oct-97		Dynamically Selecting a Wireless Network Offering a Desired Service Feature
232.EPC	97954673.6		AT&T Wireless	European Patent Convention	16-Oct-97		Dynamically Reconfigurable Wireless Communicator
232.JP	-100135		AT&T Wireless	Japan	16-Oct-97		Dynamically Reconfigurable Wireless Communicator
232.US	08/644638	5819173	AT&T Wireless	United States	30-Apr-98	06-Oct-98	Dynamically Reconfigurable Wireless Communicator

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
233.CA	2184424	2184424	AT&T Wireless	Canada	29-Aug-96	24-Oct-00	Armrest Cradle for Electronic Communications Handset
233.JP	239633/1996		AT&T Wireless	Japan	11-Sep-96		Armrest Cradle for Electronic Communications Handset
233.MX	965014	200024	AT&T Wireless	Mexico	22-Oct-96	23-Dec-00	Armrest Cradle for Electronic Communications Handset
233.US	08/550130	5865503	AT&T Wireless	United States	30-Oct-95	02-Feb-99	Customer Activation System for Cellular Network
235.CA	2190045		AT&T Wireless	Canada	12-Nov-96		Customer Activation System for Cellular Network
235.DE	96119565.8	69630100.8	AT&T Wireless	Germany	05-Dec-96	24-Sep-03	Customer Activation System for Cellular Network
235.EPC	96119565.8-2412	778716	AT&T Wireless	European Patent Convention	05-Dec-96	24-Sep-03	Customer Activation System for Cellular Network
235.EPC.D1	3016354.7		AT&T Wireless	European Patent Convention	05-Dec-96		Customer Activation System for Cellular Network
235.GB	96119565.8	778716	AT&T Wireless	Great Britain	05-Dec-96	24-Sep-03	Customer Activation System for Cellular Network
235.HK	4103133.8		AT&T Wireless	Hong Kong	05-Dec-96		Customer Activation System for Cellular Network
235.JP	324896/1996		AT&T Wireless	Japan	05-Dec-96		Customer Activation System for Cellular Network
235.JP.D1	2003-170351		AT&T Wireless	Japan	16-Jun-03		Customer Activation System for Cellular Network
235.MX	965918	218372	AT&T Wireless	Mexico	28-Nov-96	07-Jan-04	Customer Activation System for Cellular Network
235.NL	96119565.8	778716	AT&T Wireless	Netherlands	05-Dec-96	24-Sep-03	Customer Activation System for Cellular Network

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
235.US.C1	09/619108	6490445	AT&T Wireless	United States	19-Jul-00	03-Dec-02	Customer Activation System for Cellular Network
235.US.C1(1)	10/226755	6725033	AT&T Wireless	United States	23-Aug-02	20-Apr-04	Customer Activation System for Cellular Network
235.US.C1(2)	10/814574		AT&T Wireless	United States	31-Mar-04		Customer Activation System for Cellular Network
236.CA	2231452	2231452	AT&T Wireless	Canada	06-Sep-96	25-Jun-02	Cordless Cellular System Base Station
236.CA.D1	2323253		AT&T Wireless	Canada	06-Sep-96		Cordless Cellular System Base Station
236.CA.D2	2335283		AT&T Wireless	Canada	06-Sep-96		Cordless Cellular System Base Station
236.CA.D3	2335275		AT&T Wireless	Canada	06-Sep-96		Cordless Cellular System Base Station
236.EPC	96930783.4		AT&T Wireless	European Patent Convention	06-Sep-96		Cordless Cellular System Base Station
236.EPC.D1	2077853.6		AT&T Wireless	European Patent Convention	06-Sep-96		Cordless Cellular System Base Station
236.EPC.D2	2077852.8		AT&T Wireless	European Patent Convention	06-Sep-96		Cordless Cellular System Base Station
236.HK1	3103379.2		AT&T Wireless	Hong Kong	13-May-03		Cordless Cellular System Base Station
236.HK2	3103378.3		AT&T Wireless	Hong Kong	13-May-03		Cordless Cellular System Base Station
236.JP	9-512751		AT&T Wireless	Japan	06-Sep-96		Cordless Cellular System Base Station
236.MX	981829	202590	AT&T Wireless	Mexico	06-Sep-96	22-Jun-01	Cordless Cellular System Base Station
236.US	-260934	5675629	AT&T Wireless	United States	08-Sep-95	07-Oct-97	Cordless Cellular System Base Station
236.US.D2(1)	10/279866	6681118	AT&T Wireless	United States	25-Oct-02	20-Jan-04	Cordless Cellular System
236.US.D3(1)	10/235039	6611692	AT&T Wireless	United States	04-Sep-02	26-Aug-03	Cordless Cellular System
236.US.D3(2)	10/647105		AT&T Wireless	United States	22-Aug-03		Cordless Cellular System Method for Allocating a Mobile Station TMSI
239.CA	2261927	2261927	AT&T Wireless	Canada	11-Jul-97	18-Nov-03	

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
239.EPC	97934931.3		AT&T Wireless	European Patent Convention	11-Jul-97		Method for Allocating a Mobile Station TMSI
239.MX	990960	205708	AT&T Wireless	Mexico	11-Jul-97	18-Dec-01	Method for Allocating a Mobile Station TMSI
239.TW	86109994	94590	AT&T Wireless	Taiwan	15-Jul-97	11-Sep-98	Method for Allocating a Mobile Station TMSI
239.US	08/688626	6039624	AT&T Wireless	United States	29-Jul-96	21-Mar-00	Method for Allocating a Mobile Station TMSI
243.AU	75470/96	713550	AT&T Wireless	Australia	19-Dec-96	16-Mar-00	Method and Apparatus for Wireless Communication System Organization
243.BR	9606032		AT&T Wireless	Brazil	17-Dec-96		Method and Apparatus for Wireless Communication System Organization
243.CA	2190552	2190552	AT&T Wireless	Canada	18-Nov-96	24-Oct-00	Method and Apparatus for Wireless Communication System Organization
243.GB	9625564.1	2308952	AT&T Wireless	Great Britain	09-Dec-96	08-Mar-00	Method and Apparatus for Wireless Communication System Organization
243.IN	2096/MAS/96		AT&T Wireless	India	22-Nov-96		Method and Apparatus for Wireless Communication System Organization
243.JP	338822		AT&T Wireless	Japan	19-Dec-96		Method and Apparatus for Wireless Communication System Organization
243.US	08/575974	5878328	AT&T Wireless	United States	21-Dec-95	02-Mar-99	Method and Apparatus for Wireless Communication System Organization
246.TW	86108830	101482	AT&T Wireless	Taiwan	24-Jun-97	05-Jul-99	Concurrent Ringing on Multiple Network Telephones
246.US	08/669805	6405041	AT&T Wireless	United States	27-Jun-96	11-Jun-02	Concurrent Ringing on Multiple Network Telephones
246.US.C1	10/123466	6584317	AT&T Wireless	United States	15-Apr-02	24-Jun-03	Concurrent Ringing on Multiple Network Telephones
247.CA	2238552	2238552	AT&T Wireless	Canada	22-Nov-96	14-Dec-99	Packet Data Transmission Using Dynamic Channel Assignment

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
247.EPC	96939741.3		AT&T Wireless	European Patent Convention	22-Nov-96		Packet Data Transmission Using Dynamic Channel Assignment
247.MX	984220	205488	AT&T Wireless	Mexico Patent Cooperation Treaty	22-Nov-96	13-Dec-01	Packet Data Transmission Using Dynamic Channel Assignment
247.PCT	PCT/US96/18743		AT&T Wireless		22-Nov-96		Packet Data Transmission Using Dynamic Channel Assignment
247.US	08/563816	5790551	AT&T Wireless	United States	28-Nov-95	04-Aug-98	Packet Data Transmission Using Dynamic Channel Assignment
248.BR	384115		AT&T Wireless	Brazil	19-May-97		Method and Apparatus for Providing Telecommunication Services Based on a Subscriber Profile Updated by a Personal Information Manager
248.CA	2228169	2228169	AT&T Wireless	Canada	19-May-97	18-Feb-03	Method and Apparatus for Providing Telecommunication Services Based on a Subscriber Profile Updated by a Personal Information Manager
248.EPC	97926592.3		AT&T Wireless	European Patent Convention	19-May-97		Method and Apparatus for Providing Telecommunication Services Based on a Subscriber Profile Updated by a Personal Information Manager
248.JP	10-500600		AT&T Wireless	Japan	19-May-97		Method and Apparatus for Providing Telecommunication Services Based on a Subscriber Profile Updated by a Personal Information Manager
248.MX	980829	214649	AT&T Wireless	Mexico	19-May-97	09-Jun-03	Method and Apparatus for Providing Telecommunication Services Based on a

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248.NO	19980461		AT&T Wireless	Norway	19-May-97		Subscriber Profile Updated by a Personal Information Manager
248.PCT	PCT/US97/08455		AT&T Wireless	Patent Cooperation Treaty	19-May-97		Method and Apparatus for Providing Telecommunication Services Based on a Subscriber Profile Updated by a Personal Information Manager
248.TW	86107435	93010	AT&T Wireless	Taiwan	30-May-97	18-Jun-98	Method and Apparatus for Providing Telecommunication Services Based on a Subscriber Profile Updated by a Personal Information Manager
248.US	888849	5933778	AT&T Wireless	United States	04-Jun-96	03-Aug-99	Method and Apparatus for Providing Telecommunication Services Based on a Subscriber Profile Updated by a Personal Information Manager
250.BR	9706555		AT&T Wireless	Brazil	11-Jun-97		Method and Apparatus for Maintaining Channel Priority in a Multiple Wireless Communication System Environment
250.CA	2237597	2237597	AT&T Wireless	Canada	11-Jun-97	22-Jan-02	Method and Apparatus for Maintaining Channel Priority in a Multiple Wireless Communication System Environment

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250.MX	981511	202991	AT&T Wireless	Mexico	11-Jun-97	06-Jul-01	Method and Apparatus for Maintaining Channel Priority in a Multiple Wireless Communication System Environment
250.TW	86108843	96577	AT&T Wireless	Taiwan	23-Jun-97	16-Dec-98	Method and Apparatus for Maintaining Channel Priority in a Multiple Wireless Communication System Environment
250.US	08/672898	5966642	AT&T Wireless	United States	28-Jun-96	12-Oct-99	Method and Apparatus for Maintaining Channel Priority in a Multiple Wireless Communication System Environment
252.CA	2188329	2188329	AT&T Wireless	Canada	21-Oct-96	01-May-01	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
252.DE	96120010.2	69628270	AT&T Wireless	Germany	12-Dec-96	21-May-03	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
252.EPC	96120010.2	779753	AT&T Wireless	European Patent Convention	12-Dec-96	21-May-03	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
252.EPC.D1	3011438.3		AT&T Wireless	European Patent Convention	12-Dec-96		A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
252.FR	96120010.2	779753	AT&T Wireless	France	12-Dec-96	21-May-03	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment

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252.GB	96120010.2	779753	AT&T Wireless	Great Britain	12-Dec-96	21-May-03	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
252.MX	966232		AT&T Wireless	Mexico	09-Dec-96		A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
252.US	08/570904	6418318	AT&T Wireless	United States	12-Dec-95	09-Jul-02	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
252.US.C1	10/099944	6782259	AT&T Wireless	United States	19-Mar-02	24-Aug-04	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
252.US.C1(1)	mailed		AT&T Wireless	United States	26-May-04		A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
253.CA	2188333	2188333	AT&T Wireless	Canada	21-Oct-96	06-Aug-02	Method for Selecting a Wireless Service Provider in a Multi-Service Provider Environment Using a Geographic Database
253.DE	69632713.9-08	779752	AT&T Wireless	Germany	12-Dec-96	16-Jun-04	Method for Selecting a Wireless Service Provider in a Multi-Service Provider Environment Using A Geographic Database
253.EPC	96120005.2	779752	AT&T Wireless	European Patent Convention	12-Dec-96	16-Jun-04	A Method for Selecting a Wireless Service Provider in a Multi-Service Provider Environment Using a Geographic Database
253.MX	966231	202750	AT&T Wireless	Mexico	09-Dec-96	02-Jul-01	A Method for Selecting a Wireless Service Provider in a Multi-Service Provider Environment Using a

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						Geographic Database
253.US	08/570903	5905955	United States	12-Dec-95	18-May-99	A Method for Selecting a Wireless Service Provider In a Multi-Service Provider Environment Using a Geographic Database
255.CA	2282443	2282443	Canada	03-Feb-98	14-Oct-03	Wireless Communication Service Management
255.EPC	98904684.2		European Patent Convention	03-Feb-98		Wireless Communication Service Management
255.MX	997818	210069	Mexico	03-Feb-98	02-Sep-02	Wireless Communication Service Management
255.TW	87101700	106908	Taiwan	09-Feb-98	12-Jan-00	Wireless Communication Service Management
255.US	08/810959	6167261	United States	27-Feb-97	26-Dec-00	Wireless Communication Service Management
256.CA	2244682	2244682	Canada	11-Aug-98	30-Mar-04	Wireless Communication Device With Call Screening
256.US	09/909387	6567671	United States	11-Aug-97	20-May-03	Wireless Communication Device With Call Screening
256.US.D1	10/406912		United States	02-Apr-03		Wireless Communication Device With Call Screening
258.AU	16648/97	749334	Australia	01-Apr-97	24-Oct-02	Method for Determining Organization Parameters in a Wireless Communication System
258.AU.D1	773877		Australia	20-Mar-02		Method for Determining Organization Parameters in a Wireless Communication System
258.BR	126070		Brazil	27-Mar-97		Method for Determining Organization Parameters in a Wireless Communication System
258.CA	2199310	2199310	Canada	06-Mar-97	23-Apr-02	Method for Determining Organization Parameters in a Wireless Communication System

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258.GB	9706533.8	2311912B	AT&T Wireless	Great Britain	01-Apr-97	11-Oct-00	Method for Determining Organization Parameters in a Wireless Communication System
258.IN	717/MAS/97		AT&T Wireless	India	04-Apr-97		Method for Determining Organization Parameters in a Wireless Communication System
258.JP	85443/1997		AT&T Wireless	Japan	04-Apr-97		Method for Determining Organization Parameters in a Wireless Communication System
258.US	08/628214	6496700	AT&T Wireless	United States	04-Apr-96	17-Dec-02	Method for Determining Organization Parameters in a Wireless Communication System
258.US.D2	10/082402		AT&T Wireless	United States	25-Feb-02		Method for Determining Organization Parameters in a Wireless Communication System
260.BR	1992490		AT&T Wireless	Brazil	15-Jul-97		Method and System for Automatic Activation of a Wireless Device
260.CA	2209528	2209528	AT&T Wireless	Canada	03-Jul-97	12-Jun-01	Method and System for Automatic Activation of a Wireless Device
260.EPC	97304542		AT&T Wireless	European Patent Convention	26-Jun-97		Method and System for Automatic Activation of a Wireless Device
260.JP	190864/1997		AT&T Wireless	Japan	16-Jul-97		Method and System for Automatic Activation of a Wireless Device
260.MX	975114	207169	AT&T Wireless	Mexico	08-Jul-97	14-Mar-02	Method and System for Automatic Activation of a Wireless Device
260.NO	19973158		AT&T Wireless	Norway	08-Jul-97		Method and System for Automatic Activation of a Wireless Device
260.TW	86109681	95961	AT&T Wireless	Taiwan	09-Jul-97	16-Nov-98	Method and System for Automatic Activation of a Wireless Device
260.US	08/683013	5956636	AT&T Wireless	United States	16-Jul-96	21-Sep-99	Method and System for Automatic Activation of a Wireless Device

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262.CA	2259329	2259329	AT&T Wireless	Canada	02-Jun-97	01-Jun-04	TDMA Messaging Service Microcell
262.EPC	97927794.4		AT&T Wireless	European Patent Convention	02-Jun-97		TDMA Messaging Service Microcell
262.JP	10-504109		AT&T Wireless	Japan	02-Jun-97		TDMA Messaging Service Microcell
262.MX	990211		AT&T Wireless	Mexico	02-Jun-97		TDMA Messaging Service Microcell
262.US	08/672769	5875187	AT&T Wireless	United States	28-Jun-96	23-Feb-99	TDMA Messaging Service Microcell
262.US.C1	09/168919		AT&T Wireless	United States	09-Oct-98		TDMA Messaging Service Microcell
263.BR	9710455-8	9710455-8	AT&T Wireless	Brazil	24-Jun-97	10-Dec-02	Method for Optimal Selection Among Multiple Providers in a Wireless Communications Service Environment
263.CA	2259230	2259230	AT&T Wireless	Canada	24-Jun-97	07-Jan-03	Method for Optimal Selection Among Multiple Providers in a Wireless Communications Service Environment
263.EPC	97932326.8		AT&T Wireless	European Patent Convention	24-Jun-97		Method for Optimal Selection Among Multiple Providers in a Wireless Communications Service Environment
263.JP	10-504316		AT&T Wireless	Japan	14-Dec-98		Method for Optimal Selection Among Multiple Providers in a Wireless Communications Service Environment
263.TW	86108823	94720	AT&T Wireless	Taiwan	24-Jun-97	18-Sep-98	Method for Optimal Selection Among Multiple Providers in a Wireless Communications Service Environment
263.US	08/672907	5845198	AT&T Wireless	United States	28-Jun-96	01-Dec-98	Method for Optimal Selection Among Multiple Providers in a Wireless Communications Service Environment
265.CA	2215819	2215819	AT&T Wireless	Canada	19-Sep-97	01-Jan-02	Method and Apparatus for

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							Providing a Caller ID Alias
265.MX	977677	212046	AT&T Wireless	Mexico	06-Oct-97	13-Dec-02	Method and Apparatus for Providing a Caller ID Alias
265.US	2007953	6343120	AT&T Wireless	United States	08-Oct-96	29-Jan-02	Method and Apparatus for Providing a Caller ID Alias
266.TW	87100664	107516	AT&T Wireless	Taiwan	19-Jan-98	31-Jan-00	Detection of Fraudulently Registered Mobile Phones
266.US	-65895	5953652	AT&T Wireless	United States	24-Jan-97	14-Sep-99	Detection of Fraudulently Registered Mobile Phones
							Method and System for Delivering a Voice Mail Notification to a Subscriber Using Cellular Phone Network
269.US	08/838613	6006087	AT&T Wireless	United States	10-Apr-97	21-Dec-99	Method and System for Delivering a Voice Mail Notification to a Subscriber Using Cellular Phone Network
269.US.C1	09/448904	6418307	AT&T Wireless	United States	29-Nov-99	09-Jul-02	Method and System for Delivering a Voice Mail Notification to a Subscriber Using Cellular Phone Network
269.US.C2	10/147408		AT&T Wireless	United States	15-May-02		Method and System for Delivering a Short-Message Notification
270.CA	2251589		AT&T Wireless	Canada	27-Oct-98		Method and System for Delivering a Short-Message Notification
270.EPC	98122142.7		AT&T Wireless	European Patent Convention	25-Nov-98		Method and System for Delivering a Short-Message Notification
270.MX	9810043		AT&T Wireless	Mexico	30-Nov-98		Method and System for Delivering a Short-Message Notification
270.US	-179851	6630883	AT&T Wireless	United States	02-Dec-97	07-Oct-03	Method and System for Delivering a Short-Message Notification
							Personal Information Manager for Updating a Telecommunication Subscriber Profile
272.BR	384268		AT&T Wireless	Brazil	19-May-97		Personal Information Manager for Updating a Telecommunication Subscriber Profile
272.CA	2228139	2228139	AT&T Wireless	Canada	19-May-97	12-Sep-00	Personal Information Manager for Updating a Telecommunication Subscriber Profile

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							Subscriber Profile
272.EPC	97925647.6		AT&T Wireless	European Patent Convention	19-May-97		Personal Information Manager for Updating a Telecommunication Subscriber Profile
272.JP.D1	2002-258849		AT&T Wireless	Japan	04-Sep-02		Personal Information Manager for Updating a Telecommunication Subscriber Profile
272.MX	980830	205256	AT&T Wireless	Mexico	19-May-97	16-Nov-01	Personal Information Manager for Updating a Telecommunication Subscriber Profile
272.NO	19980460		AT&T Wireless	Norway	19-May-97		Personal Information Manager for Updating a Telecommunication Subscriber Profile
272.PCT	PCT/US97/08510		AT&T Wireless	Patent Cooperation Treaty	19-May-97		Personal Information Manager for Updating a Telecommunication Subscriber Profile
272.TW	86107431	92856	AT&T Wireless	Taiwan	30-May-97	09-Jun-98	Personal Information Manager for Updating a Telecommunication Subscriber Profile
272.US	86777	5903845	AT&T Wireless	United States	04-Jun-96	11-May-99	Personal Information Manager for Updating a Telecommunication Subscriber Profile
281.BR	9803891-5		AT&T Wireless	Brazil	09-Oct-98		Method for Providing Remote Emulation of the Functionality of a Private Exchange
281.CA	2249895	2249895	AT&T Wireless	Canada	09-Oct-98	26-Mar-02	Method for Providing Remote Emulation of the Functionality of a Private Exchange
281.EPC	98308224.9		AT&T Wireless	European Patent Convention	09-Oct-98		Method for Providing Remote Emulation of the Functionality of a Private Exchange

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
281.MX	988391	211550	AT&T Wireless	Mexico	09-Oct-98	22-Nov-02	Method for Providing Remote Emulation of the Functionality of a Private Exchange
281.NO	19984742		AT&T Wireless	Norway	09-Oct-98		Method for Providing Remote Emulation of the Functionality of a Private Exchange
281.TW	87116913	121508	AT&T Wireless	Taiwan	12-Oct-98	26-Feb-01	Method for Providing Remote Emulation of the Functionality of a Private Exchange
281.US	08/948497	6229885	AT&T Wireless	United States	10-Oct-97	08-May-01	Method for Providing Remote Emulation of the Functionality of a Private Exchange
282.CA	2252180	2252180	AT&T Wireless	Canada	29-Oct-98	23-Apr-02	A Method for Allowing a Called Party to Allocate Call Payment Responsibility
282.US	08/974394	6373931	AT&T Wireless	United States	19-Nov-97	16-Apr-02	A Method for Allowing a Called Party to Allocate Call Payment Responsibility
283.BR	9803890.7		AT&T Wireless	Brazil	09-Oct-98		System for Providing Power to a Wireless System
283.CA	2249911	2249911	AT&T Wireless	Canada	09-Oct-98	01-Jan-02	System for Providing Power to a Wireless System
283.MX	988387	210851	AT&T Wireless	Mexico	09-Oct-98	15-Oct-02	System for Providing Power to a Wireless System
283.US	08/948777	6256518	AT&T Wireless	United States	10-Oct-97	03-Jul-01	Method and System for Providing Power to a Wireless System
283.US.CP1	09/828859		AT&T Wireless	United States	10-Apr-01		Method and System for Providing Power to a Wireless System
283.US.D1	10/866994		AT&T Wireless	United States	15-Jun-04		Method and System for Providing Power to a Wireless System

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284.TW	86114469	110656	AT&T Wireless	Taiwan	03-Oct-97	11-May-00	Secure Equipment Automation Using a Personal Base Station
284.US	2088306	5875395	AT&T Wireless	United States	09-Oct-96	23-Feb-99	Secure Equipment Automation Using a Personal Base Station
285.CA	2202000	2202000	AT&T Wireless	Canada	07-Apr-97	06-Mar-01	Service Transfer to a Wireless Telephone
285.TW	86105955	92547	AT&T Wireless	Taiwan	05-May-97	25-May-98	Service Transfer to a Wireless Telephone
285.US	08/644027	5845207	AT&T Wireless	United States	09-May-96	01-Dec-98	Service Transfer to a Wireless Telephone
286.BR	1877348		AT&T Wireless	Brazil	17-Dec-97		System and Method for Retrieving Messages From a Voice Message System
286.CA	2221660	2221660	AT&T Wireless	Canada	20-Nov-97	13-Feb-01	System and Method for Retrieving Messages From a Voice Message System
286.EPC	97309357.8		AT&T Wireless	European Patent Convention	20-Nov-97		System and Method for Retrieving Messages From a Voice Message System
286.JP	9-339534		AT&T Wireless	Japan	10-Dec-97		System and Method for Retrieving Messages From a Voice Message System
286.MX	9710199		AT&T Wireless	Mexico	16-Dec-97		System and Method for Retrieving Messages From a Voice Message System
286.NO	975816		AT&T Wireless	Norway	10-Dec-97		System and Method for Retrieving Messages From a Voice Message System
286.TW	86118705	114009	AT&T Wireless	Taiwan	11-Dec-97	11-Aug-00	System and Method for Retrieving Messages From a Voice Message System
286.US	08/766134	6405032	AT&T Wireless	United States	17-Dec-96	11-Jun-02	System and Method for Retrieving Messages From a Voice Message System
287.BR	9802303		AT&T Wireless	Brazil	26-Jun-98		Method and Apparatus for Providing Partitioned Telecommunication Services
287.CA	2239649		AT&T Wireless	Canada	04-Jun-98		Method and Apparatus for Providing Partitioned Telecommunication Services

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287.EPC	98304671.5		AT&T Wireless	European Patent Convention	12-Jun-98		Method and Apparatus for Providing Partitioned Telecommunication Services
287.JP	10-176895		AT&T Wireless	Japan	24-Jun-98		Method and Apparatus for Providing Partitioned Telecommunication Services
287.MX	985150		AT&T Wireless	Mexico	24-Jun-98		Method and Apparatus for Providing Partitioned Telecommunication Services
287.TW	87108653	111653	AT&T Wireless	Taiwan	02-Jun-98	07-Jun-00	Method and Apparatus for Providing Partitioned Telecommunication Services
287.US	08/882804		AT&T Wireless	United States	26-Jun-97		Method and Apparatus for Providing Partitioned Telecommunication Services
287.US.C1	10/041500		AT&T Wireless	United States	10-Jan-02		System and Method for Automatic Registration Notification for Over-the-Air Activation
288.BR	9703967		AT&T Wireless	Brazil	14-Jul-97		System and Method for Automatic Registration Notification for Over-the-Air Activation
288.CA	2208601	2208601	AT&T Wireless	Canada	24-Jun-97	20-Mar-01	System and Method for Automatic Registration Notification for Over-the-Air Activation
288.EPC	97112096.9		AT&T Wireless	European Patent Convention	15-Jul-97		System and Method for Automatic Registration Notification for Over-the-Air Activation
288.JP	188842/1997		AT&T Wireless	Japan	15-Jul-97		System and Method for Automatic Registration Notification for Over-the-Air Activation
288.MX	975088	216890	AT&T Wireless	Mexico	07-Jul-97	13-Oct-03	System and Method for Automatic Registration Notification for Over-the-Air Activation

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288.NO	19973157		AT&T Wireless	Norway	08-Jul-97		System and Method for Automatic Registration Notification for Over-the-Air Activation
288.TW	86109676	96465	AT&T Wireless	Taiwan	09-Jul-97	11-Dec-98	System and Method for Automatic Registration Notification for Over-the-Air Activation
288.US	08/679890	6188899	AT&T Wireless	United States	15-Jul-96	13-Feb-01	System and Method for Automatic Registration Notification for Over-the-Air Activation
288.US.C1	09/702163	6282421	AT&T Wireless	United States	30-Oct-00	28-Aug-01	System and Method for Automatic Registration Notification for Over-the-Air Activation
288.US.C1(1)	09/896481		AT&T Wireless	United States	29-Jun-01		System and Method for Automatic Registration Notification for Over-the-Air Activation
288.US.C1(2)	10/802492		AT&T Wireless	United States	16-Mar-04		A Method and Apparatus for Over-the-Air Programming of Telecommunication Services
289.BR	9706687		AT&T Wireless	Brazil	03-Oct-97		A Method and Apparatus for Over-the-Air Programming of Telecommunication Services
289.CA	2215821	2215821	AT&T Wireless	Canada	19-Sep-97	03-Jul-01	A Method and Apparatus for Over-the-Air Programming of Telecommunication Services
289.EPC	97117320.8	836340	AT&T Wireless	European Patent Convention	07-Oct-97	23-Jun-04	Method and Apparatus for Updating Service Information Stored in a Mobile Station
289.EPC.D1	3023872.6		AT&T Wireless	European Patent Convention	16-Jan-98		

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289.EPC.D2	3026871.8		AT&T Wireless	European Patent Convention	07-Oct-97		Mobile Communication System and Method for Receiving Intelligent Roaming Information
289.JP	275398/1997		AT&T Wireless	Japan	08-Oct-97		A Method and Apparatus for Over-the-Air Programming of Telecommunication Services
289.MX	977676	209518	AT&T Wireless	Mexico	06-Oct-97	07-Aug-02	A Method and Apparatus for Over-the-Air Programming of Telecommunication Services
289.NO	19974517		AT&T Wireless	Norway	30-Sep-97		A Method and Apparatus for Over-the-Air Programming of Telecommunication Services
289.TW	86114585	110299	AT&T Wireless	Taiwan	06-Oct-97	02-May-00	A Method and Apparatus for Over-the-Air Programming of Telecommunication Services
289.US	2001378	6122503	AT&T Wireless	United States	08-Oct-96	19-Sep-00	A Method and Apparatus for Over-the-Air Programming of Telecommunication Services
289.US.C1	09/213416	6456843	AT&T Wireless	United States	17-Dec-98	24-Sep-02	A Method and Apparatus for Over-the-Air Programming of Telecommunication Services
289.US.C1(1)	10/214315		AT&T Wireless	United States	08-Aug-02		A Method and Apparatus for Over-the-Air Programming of Telecommunication Services
296.BR	1410934		AT&T Wireless	Brazil	17-Oct-97		Method and Apparatus for Testing Cellular Services in a First Location From a Second Location Remote From the First Location

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296.CA	2218667	2218667	AT&T Wireless	Canada	20-Oct-97	11-Sep-01	Method and Apparatus for Testing Cellular Services in a First Location From a Second Location Remote From the First Location
296.EPC	97117941.1		AT&T Wireless	European Patent Convention	16-Oct-97		Method and Apparatus for Testing Cellular Services in a First Location From a Second Location Remote From the First Location
296.JP	9-286313		AT&T Wireless	Japan	20-Oct-97		Method and Apparatus for Testing Cellular Services in a First Location From a Second Location Remote From the First Location
296.MX	978010	212232	AT&T Wireless	Mexico	17-Oct-97	18-Dec-02	Method and Apparatus for Testing Cellular Services in a First Location From a Second Location Remote From the First Location
296.NO	19974723		AT&T Wireless	Norway	13-Oct-97		Method and Apparatus for Testing Cellular Services in a First Location From a Second Location Remote From the First Location
296.TW	86115142	103067	AT&T Wireless	Taiwan	15-Oct-97	10-Sep-99	Method and Apparatus for Testing Cellular Services in a First Location From a Second Location Remote From the First Location
296.US	08/734707	5875398	AT&T Wireless	United States	21-Oct-96	23-Feb-99	Method and Apparatus for Testing Cellular Services in a First Location From a Second Location Remote From the First Location
297.JP	517588/1998		AT&T Wireless	Japan	29-Sep-97		Improved Generation of Encryption Key
297.TW	86114466	103186	AT&T Wireless	Taiwan	03-Oct-97	13-Sep-99	Improved Generation of Encryption Key
297.US	08/731105	5930362	AT&T Wireless	United States	09-Oct-96	27-Jul-99	Improved Generation of Encryption Key
298.TW	86114471	147691	AT&T Wireless	Taiwan	03-Oct-97	23-Apr-02	Mobile Network

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							Geographic Address Translation
							Mobile Network Geographic Address Translation
298.US	1801591	5946615	AT&T Wireless	United States	08-Oct-96	31-Aug-99	Registration of Mobile Packet Data Terminals After Disaster
299.CA	2257423	2257423	AT&T Wireless	Canada	06-May-97	23-Sep-03	Registration of Mobile Packet Data Terminals After Disaster
299.CA.D1	2404922		AT&T Wireless	Canada	06-May-97		Registration of Mobile Packet Data Terminals After Disaster
299.EPC	97922676.8		AT&T Wireless	European Patent Convention	06-May-97		Registration of Mobile Packet Data Terminals After Disaster
299.JP	501587/1998		AT&T Wireless	Japan	06-May-97		Registration of Mobile Packet Data Terminals After Disaster
299.MX	9810332	204997	AT&T Wireless	Mexico	06-May-97	06-May-97	Registration of Mobile Packet Data Terminals After Disaster
299.TW	86106439	102438	AT&T Wireless	Taiwan	14-May-97	16-Aug-99	Registration of Mobile Packet Data Terminals After Disaster
299.US	1992978	6157633	AT&T Wireless	United States	10-Jun-96	05-Dec-00	Registration of Mobile Packet Data Terminals After Disaster
299.US.D1	09/289362	6771634	AT&T Wireless	United States	09-Apr-99	03-Aug-04	Registration of Mobile Packet Data Terminals After Disaster
300.BR	9800328-3		AT&T Wireless	Brazil	15-Jan-98		Method and Apparatus for Dynamic Negotiation of Protocols
300.CA	2227086	2227086	AT&T Wireless	Canada	15-Jan-98	19-Mar-02	Method and Apparatus for Dynamic Negotiation of Protocols
300.MX	980550	221663	AT&T Wireless	Mexico	19-Jan-98	23-Jul-04	Method and Apparatus for Dynamic Negotiation of Protocols
300.TW	87100792	NI-134707	AT&T Wireless	Taiwan	21-Jan-98	17-Oct-01	Method and Apparatus for Dynamic Negotiation of Protocols
300.US	-290885	6125122	AT&T Wireless	United States	21-Jan-97	26-Sep-00	Dynamic Protocol Negotiation System

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300.US.C1	09/634573	6445716	AT&T Wireless	United States	08-Aug-00	03-Sep-02	Method and Apparatus for Dynamic Negotiation of Protocols
300.US.C1(1)	328443		AT&T Wireless	United States	18-Jul-02		Method and Apparatus for Dynamic Negotiation of Protocols
301.BR	1426882		AT&T Wireless	Brazil	24-Oct-97		A Method and Apparatus for Message Transmission Verification
301.CA	2218211	2218211	AT&T Wireless	Canada	14-Oct-97	06-Feb-01	A Method and Apparatus for Message Transmission Verification
301.EPC	97118527.7		AT&T Wireless	European Patent Convention	24-Oct-97		A Method and Apparatus for Message Transmission Verification
301.JP	9-290726		AT&T Wireless	Japan	23-Oct-97		A Method and Apparatus for Message Transmission Verification
301.MX	978066	206521	AT&T Wireless	Mexico	20-Oct-97	08-Feb-02	A Method and Apparatus for Message Transmission Verification
301.NO	19974771		AT&T Wireless	Norway	15-Oct-97		A Method and Apparatus for Message Transmission Verification
301.TW	86115452	108524	AT&T Wireless	Taiwan	20-Oct-97	09-Mar-00	A Method and Apparatus for Message Transmission Verification
301.US	08/740277	5940740	AT&T Wireless	United States	25-Oct-96	17-Aug-99	A Method and Apparatus for Message Transmission Verification
301.US.C1	09/215557	6219542	AT&T Wireless	United States	18-Dec-98	17-Apr-01	Method and Apparatus for Message Transmission Verification
301.US.C1(1)	09/535340		AT&T Wireless	United States	24-Mar-00		Method for Categorization of Multiple Providers in a Wireless Communications Service Environment
302.BR	9710456-6		AT&T Wireless	Brazil	24-Jun-97		Method for Categorization of Multiple Providers in a Wireless Communications Service Environment
302.CA	2259238	2259238	AT&T Wireless	Canada	24-Jun-97	25-Mar-03	Method for Categorization of Multiple Providers in a Wireless Communications Service Environment

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302.EPC	97932289.8		AT&T Wireless	European Patent Convention	24-Jun-97		Method for Categorization of Multiple Providers in a Wireless Communications Service Environment
302.JP	504270/1998		AT&T Wireless	Japan	24-Jun-97		Method for Categorization of Multiple Providers in a Wireless Communications Service Environment
302.MX	990222		AT&T Wireless	Mexico	24-Jun-97		Method for Categorization of Multiple Providers in a Wireless Communications Service Environment
302.TW	86108822	97738	AT&T Wireless	Taiwan	24-Jun-97	11-Mar-99	Method for Categorization of Multiple Providers in a Wireless Communications Service Environment
302.US	08/672908	6195532	AT&T Wireless	United States	28-Jun-96	27-Feb-01	Method for Categorization of Multiple Providers in a Wireless Communications Service Environment
302.US.C1	1066388	6377787	AT&T Wireless	United States	14-Jun-99	23-Apr-02	Method for Categorization of Multiple Providers in a Wireless Communications Service Environment
302.US.C2	10/099992		AT&T Wireless	United States	19-Mar-02		Method for Categorization of Multiple Providers in a Wireless Communications Service Environment
302.US.C3	mailed		AT&T Wireless	United States	27-Sep-04		Method of Intelligent Roaming Using Network Information
303.CA	2294432	2294432	AT&T Wireless	Canada	12-Jun-98	30-Mar-04	Method of Intelligent Roaming Using Network Information
303.CA.D1	2444185		AT&T Wireless	Canada	12-Jun-98		Method of Intelligent Roaming Using Network Information
303.EPC	98929031.7		AT&T Wireless	European Patent Convention	12-Jun-98		Method of Intelligent Roaming Using Network Information
303.MX	9911892		AT&T Wireless	Mexico	12-Jun-98		Method of Intelligent Roaming Using Network Information

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303.TW	87110178	110131	AT&T Wireless	Taiwan	24-Jun-98	26-Apr-00	Method of Intelligent Roaming Using Network Information
303.US	08/883111	6223042	AT&T Wireless	United States	26-Jun-97	24-Apr-01	Method of Intelligent Roaming Using Network Information
306.BR	9800525-1		AT&T Wireless	Brazil	30-Jan-98		Method and Apparatus for Serving Cell Code Assignment
306.CA	2227138	2227138	AT&T Wireless	Canada	15-Jan-98	16-Sep-03	Method and Apparatus for Serving Cell Code Assignment
306.MX	980722		AT&T Wireless	Mexico	26-Jan-98		Method and Apparatus for Serving Cell Code Assignment
306.TW	87100967	111208	AT&T Wireless	Taiwan	23-Mar-98	29-May-00	Method and Apparatus for Serving Cell Code Assignment
306.US	1472506	6144851	AT&T Wireless	United States	31-Jan-97	07-Nov-00	Method of Mutual Authentication for Secure Wireless Service Provision
307.BR	1892355		AT&T Wireless	Brazil	18-Dec-97		Method of Mutual Authentication for Secure Wireless Service Provision
307.CA	2221665	2221665	AT&T Wireless	Canada	20-Nov-97	07-Jan-03	Method of Mutual Authentication for Secure Wireless Service Provision
307.MX	9710347	193809	AT&T Wireless	Mexico	18-Dec-97	22-Oct-99	Method of Mutual Authentication for Secure Wireless Service Provision
307.TW	86119522	110272	AT&T Wireless	Taiwan	22-Dec-97	01-May-00	Method of Mutual Authentication for Secure Wireless Service Provision
307.US	08/777341	5875394	AT&T Wireless	United States	27-Dec-96	23-Feb-99	Method of Mutual Authentication for Secure Wireless Service Provision
308.BR	9706413-0		AT&T Wireless	Brazil	18-Dec-97		Method for Controlling Channel Re-Selection
308.CA	2221820	2221820	AT&T Wireless	Canada	20-Nov-97	30-Jul-02	Method for Controlling Channel Re-Selection
308.MX	9710341	199915	AT&T Wireless	Mexico	18-Dec-97	30-Nov-00	Method for Controlling Channel Re-Selection
308.TW	86119184	125235	AT&T Wireless	Taiwan	18-Dec-97	08-May-01	Method for Controlling Channel Re-Selection

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308.US	08/772829	5995834	AT&T Wireless	United States	24-Dec-96	30-Nov-99	Method for Controlling Channel Re-Selection
308.US.C1	09/306760	6501951	AT&T Wireless	United States	07-May-99	31-Dec-02	Method for Controlling Channel Re-Selection
308.US.C1(1)	10/206963		AT&T Wireless	United States	30-Jul-02		Method for Controlling Channel Re-Selection From a Selected Control Channel to an Alternative Control Channel
308.US.C1(2)	mailed		AT&T Wireless	United States	20-Aug-04		Method for Controlling Channel Re-Selection
312.BR	1892840		AT&T Wireless	Brazil	18-Dec-97		Method and Apparatus for Alerting a Station in One Network of a Requested Communication From a Second Network
312.CA	2221854	2221854	AT&T Wireless	Canada	20-Nov-97	18-Nov-03	Method and Apparatus for Alerting a Station in One Network of a Requested Communication From a Second Network
312.EPC	97309352.9		AT&T Wireless	European Patent Convention	20-Nov-97		Method and Apparatus for Alerting a Station in One Network of a Requested Communication From a Second Network
312.JP	9-350412		AT&T Wireless	Japan	19-Dec-97		Method and Apparatus for Alerting a Station in One Network of a Requested Communication From a Second Network
312.MX	9710338	217407	AT&T Wireless	Mexico	18-Dec-97	07-Nov-03	Method and Apparatus for Alerting a Station in One Network of a Requested Communication From a Second Network
312.NO	19975936		AT&T Wireless	Norway	17-Dec-97		Method and Apparatus for Alerting a Station in One Network of a Requested Communication From a Second Network

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312.TW	86119517	104929	AT&T Wireless	Taiwan	22-Dec-97	04-Dec-99	Method and Apparatus for Alerting a Station in One Network of a Requested Communication From a Second Network
312.US	08/777336	6230009	AT&T Wireless	United States	27-Dec-96	08-May-01	Method and Apparatus for Alerting a Station in One Network of a Requested Communication From a Second Network
312.US.C1	09/740181	6459897	AT&T Wireless	United States	18-Dec-00	01-Oct-02	Method and Apparatus for Alerting a Station in One Network of a Requested Communication From a Second Network
312.US.C1(1)	10/241432		AT&T Wireless	United States	12-Sep-02		Method and Apparatus for Alerting a Station in One Network of a Requested Communication From a Second Network
313.BR	1893450		AT&T Wireless	Brazil	18-Dec-97		Method of Wireless Retrieval of Information
313.CA	2221666		AT&T Wireless	Canada	20-Nov-97		Method of Wireless Retrieval of Information
313.EPC	97121958.9		AT&T Wireless	European Patent Convention	12-Dec-97		Method of Wireless Retrieval of Information
313.JP	9-351020		AT&T Wireless	Japan	19-Dec-97		Method of Wireless Retrieval of Information
313.MX	9710240		AT&T Wireless	Mexico	17-Dec-97		Method of Wireless Retrieval of Information
313.NO	19975935		AT&T Wireless	Norway	17-Dec-97		Method of Wireless Retrieval of Information
313.TW	86119180	105649	AT&T Wireless	Taiwan	18-Dec-97	17-Dec-99	Method of Wireless Retrieval of Information
313.US	08/777983	6493430	AT&T Wireless	United States	24-Dec-96	10-Dec-02	Method of Wireless Retrieval of Information
313.US.R1	10/419098		AT&T Wireless	United States	09-Jun-03		Method of Wireless Retrieval of Information
318.BR	1767500		AT&T Wireless	Brazil	03-Dec-97		Method and Apparatus for Data Network Call Processing

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318.CA	2220707	2220707	AT&T Wireless	Canada	10-Nov-97	01-Jan-02	Method and Apparatus for Data Network Call Processing
318.EPC	97309093.9		AT&T Wireless	European Patent Convention	12-Nov-97		Method and Apparatus for Data Network Call Processing
318.JP	2306751		AT&T Wireless	Japan	05-Dec-97		Method and Apparatus for Data Network Call Processing
318.MX	979392	204379	AT&T Wireless	Mexico	02-Dec-97	26-Sep-01	Method and Apparatus for Data Network Call Processing
318.NO	19975612		AT&T Wireless	Norway	04-Dec-97		Method and Apparatus for Data Network Call Processing
318.TW	86118162	143991	AT&T Wireless	Taiwan	03-Dec-97	04-Mar-02	Method and Apparatus for Data Network Call Processing
318.US	08/762550	6118778	AT&T Wireless	United States	09-Dec-96	12-Sep-00	Method and Apparatus for Data Network Call Processing
318.US.C1	09/451401	6778527	AT&T Wireless	United States	30-Nov-99	17-Aug-04	Method and Apparatus for Data Network Call Processing
332.BR	9801486-2		AT&T Wireless	Brazil	27-May-98		A Method for Time-Stamping a Message Based on a Recipient Location
332.CA	2235979		AT&T Wireless	Canada	27-Apr-98		A Method for Time-Stamping a Message Based on a Recipient Location
332.EPC	98304082.5		AT&T Wireless	European Patent Convention	22-May-98		A Method for Time-Stamping a Message Based on a Recipient Location
332.JP	10-145288		AT&T Wireless	Japan	27-May-98		Method for Time-Stamping a Message Based on a Recipient Location
332.MX	984246	219273	AT&T Wireless	Mexico	28-May-98	04-Mar-04	Method for Time-Stamping a Message Based on a Recipient Location

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332.NO	19982385	316993	Norway	26-May-98	19-Jul-04	A Method for Time-Stamping a Message Based on a Recipient Location
332.TW	87108312	111946	Taiwan	28-May-98	13-Jun-00	Method for Time-Stamping a Message Based on a Recipient Location
332.US	08/868401	6239719	United States	03-Jun-97	29-May-01	Method for Time-Stamping a Message Based on a Recipient Location
332.US.C1	09/825894		United States	05-Apr-01		Method for Time-Stamping a Message Based on a Recipient Location
333.BR	9806495-9		Brazil	28-May-98		Method and System for Providing Data Communication With a Mobile Station
333.CA	2236231	2236231	Canada	30-Apr-98	30-Oct-01	Method and System for Providing Data Communication With a Mobile Station
333.DE	98304081.7	69817086.5	Germany	22-May-98	13-Aug-03	Method and System for Providing Data Communication With a Mobile Station
333.EPC	98304081.7	883313	European Patent Convention	22-May-98	13-Aug-03	Method and System for Providing Data Communication With a Mobile Station
333.FI	98304081.7	883313	Finland	22-May-98	13-Aug-03	Method and System for Providing Data Communication With a Mobile Station
333.FR	98304081.7	883313	France	22-May-98	13-Aug-03	Method and System for Providing Data Communication With a Mobile Station
333.GB	98304081.7	883313	Great Britain	22-May-98	13-Aug-03	Method and System for Providing Data Communication With a Mobile Station
333.JP	154083/1998		Japan	03-Jun-98		Method and System for Providing Data Communication With a Mobile Station

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							Mobile Station
333.MX	984353	212436	AT&T Wireless	Mexico	01-Jun-98	08-Jan-03	Method and System for Providing Data Communication With a Mobile Station
333.NO	19982384		AT&T Wireless	Norway	26-May-98		Method and System for Providing Data Communication With a Mobile Station
333.SE	98304081.7	883313	AT&T Wireless	Sweden	22-May-98	13-Aug-03	Method and System for Providing Data Communication With a Mobile Station
333.TW	87108311	123686	AT&T Wireless	Taiwan	28-May-98	17-Apr-01	Method and System for Providing Data Communication With a Mobile Station
333.US	08/868350	6393014	AT&T Wireless	United States	03-Jun-97	21-May-02	Method and System for Providing Data Communication With a Mobile Station
333.US.C1	10/120548		AT&T Wireless	United States	12-Apr-02		Method and System for Providing Data Communication With a Mobile Station
333.US.C1(1)	mailed		AT&T Wireless	United States	10-Sep-04		Method and System for Providing Data Communication With a Mobile Station
334.BR	9801221-5		AT&T Wireless	Brazil	31-Mar-98		System and Method for Processing Dropped Calls
334.CA	2231938	2231938	AT&T Wireless	Canada	12-Mar-98	30-Oct-01	System and Method for Processing Dropped Calls
334.EPC	98302011.6		AT&T Wireless	European Patent Convention	18-Mar-98		System and Method for Processing Dropped Calls
334.JP	96520/1998		AT&T Wireless	Japan	09-Apr-98		System and Method for Processing Dropped Calls
334.MX	982578		AT&T Wireless	Mexico	02-Apr-98		System and Method for Processing Dropped Calls

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334.NO	19981596		AT&T Wireless	Norway	07-Apr-98		System and Method for Processing Dropped Calls
334.TW	87105092	111939	AT&T Wireless	Taiwan	03-Apr-98	13-Jun-00	System and Method for Processing Dropped Calls
336.US	08/902373	6314303	AT&T Wireless	United States	29-Jul-97	06-Nov-01	Apparatus for Providing Enhanced Functionality to a Mobile Station
340.US	08/996764	6477376	AT&T Wireless	United States	23-Dec-97	05-Nov-02	Method for Designing Wireless Communications Cell Sites Using Uplink Parameters
342.US	08/996486	6603966	AT&T Wireless	United States	23-Dec-97	05-Aug-03	A Method and System for Optimizing Performance of a Mobile Communications System
342.US.C1	10/307668		AT&T Wireless	United States	02-Dec-02		A Method and System for Delivering a Voice Mail Notification to a Private Base Station Using Cellular Phone Network
346.US	08/838582	6014559	AT&T Wireless	United States	10-Apr-97	11-Jan-00	Method and Apparatus for Voice Mail Sharing Between Wired and Wireless Telephones
347.US	66689		AT&T Wireless	United States	04-Dec-97		Method for Locating a Mobile Station
352.BR	9801756-0		AT&T Wireless	Brazil	02-Jun-98		Method for Locating a Mobile Station
352.CA	2235982	2235982	AT&T Wireless	Canada	27-Apr-98	29-Jun-04	A Method for Locating a Mobile Station
352.MX	984355	207198	AT&T Wireless	Mexico	01-Jun-98	14-Mar-02	A Method for Locating a Mobile Station
352.TW	87108313	116657	AT&T Wireless	Taiwan	28-May-98	24-Oct-00	Method for Locating a Mobile Station
352.US	08/868402	6167274	AT&T Wireless	United States	03-Jun-97	26-Dec-00	Method for Locating a Mobile Station
353.CA	2275186	2275186	AT&T Wireless	Canada	14-Oct-98	16-Dec-03	Customized On-Line User Guide
353.EPC	98953442.5		AT&T Wireless	European Patent Convention	14-Oct-98		Customized On-Line User Guide

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353.JP	3228		AT&T Wireless	Japan	14-Oct-98		Customized On-Line User Guide
353.MX	995662		AT&T Wireless	Mexico	14-Oct-98		Customized On-Line User Guide
353.US	08/956130	6400940	AT&T Wireless	United States	22-Oct-97	04-Jun-02	Customized On-Line User Guide
353.US.C1	10/108275	6795702	AT&T Wireless	United States	26-Mar-02	21-Sep-04	Customized On-Line User Guide
356.CA	2272054	2272054	AT&T Wireless	Canada	20-Oct-98	23-Sep-03	A Method and Apparatus for Filtering Packets Using a Dedicated Processor
356.US	08/956993	6092110	AT&T Wireless	United States	23-Oct-97	18-Jul-00	Method and Apparatus for Filtering Packets Using a Dedicated Processor
356.US.C1	09/580204	6647418	AT&T Wireless	United States	26-May-00	11-Nov-03	Method and Apparatus for Filtering Packets Using a Dedicated Processor
356.US.C1(1)	10/673439		AT&T Wireless	United States	30-Sep-03		User Assisted Wireless Fraud Detection
357.BR	9801993		AT&T Wireless	Brazil	10-Jun-98		User Assisted Wireless Fraud Detection
357.EPC	98304042.9		AT&T Wireless	European Patent Convention	21-May-98		User Assisted Wireless Fraud Detection
357.JP	10-158792		AT&T Wireless	Japan	08-Jun-98		User Assisted Wireless Fraud Detection
357.MX	984569		AT&T Wireless	Mexico	08-Jun-98		User Assisted Wireless Fraud Detection
357.NO	19982603		AT&T Wireless	Norway	05-Jun-98		User Assisted Wireless Fraud Detection
357.TW	87109176	110725	AT&T Wireless	Taiwan	09-Jun-98	12-May-00	User Assisted Wireless Fraud Detection
365.BR	9801220-7		AT&T Wireless	Brazil	31-Mar-98		System and Method for Processing Dropped Calls
365.CA	2231932	2231932	AT&T Wireless	Canada	12-Mar-98	06-Nov-01	System and Method for Processing Dropped Calls
365.EPC	98302012.4		AT&T Wireless	European Patent Convention	18-Mar-98		System and Method for Processing Dropped Calls

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365.JP	96519/1998		AT&T Wireless	Japan	09-Apr-98		System and Method for Processing Dropped Calls
365.MX	982579		AT&T Wireless	Mexico	02-Apr-98		System and Method for Processing Dropped Calls
365.NO	19981595		AT&T Wireless	Norway	07-Apr-98		System and Method for Processing Dropped Calls
365.SE	98302012.4		AT&T Wireless	Sweden	18-Mar-98		System and Method for Processing Dropped Calls
365.TW	87105091	108902	AT&T Wireless	Taiwan	03-Apr-98	27-Mar-00	System and Method for Processing Dropped Calls
365.US	08/838659	5995830	AT&T Wireless	United States	09-Apr-97	30-Nov-99	System and Method for Processing Dropped Calls
373.US	1710280	6201797	AT&T Wireless	United States	12-Dec-97	13-Mar-01	High Bandwidth Delivery and Internet Access for Airborne Passengers
373.US.R1	10/389010		AT&T Wireless	United States	13-Mar-03		High Bandwidth Delivery and Internet Access for Airborne Passengers
391.US	866601		AT&T Wireless	United States	17-Aug-98		A Method and Apparatus for Determining Billing Rates for Communication Services
392.US	850164	6188897	AT&T Wireless	United States	17-Aug-98	13-Feb-01	Mobile Station Roaming in a Multiple Service Provider Area
392.US.C1	2132166	6470182	AT&T Wireless	United States	15-Sep-00	22-Oct-02	Mobile Station Roaming in a Multiple Service Provider Area
394.US	08/997085	6704565	AT&T Wireless	United States	23-Dec-97	09-Mar-04	Method and Apparatus for Providing a Hold Termination Message Service in a Communications Network
402.CA	2254393	2254393	AT&T Wireless	Canada	24-Nov-98	26-Feb-02	Method and Apparatus for Providing Calling Number Identification Alias in a Communications System
402.DE	98123490.9	69800769	AT&T Wireless	Germany	14-Dec-98	09-May-01	Method and Apparatus for Providing Calling Number Identification Alias in a Communications System

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402.EPC	98123490.9	926910	AT&T Wireless	European Patent Convention	14-Dec-98	09-May-01	Method and Apparatus for Providing Calling Number Identification Alias in a Communications System
402.FR	98123490.9	926910	AT&T Wireless	France	14-Dec-98	09-May-01	Method and Apparatus for Providing Calling Number Identification Alias in a Communications System
402.GB	98123490.9	926910	AT&T Wireless	Great Britain	14-Dec-98	09-May-01	Method and Apparatus for Providing Calling Number Identification Alias in a Communications System
402.MX	9810631	209390	AT&T Wireless	Mexico	14-Dec-98	31-Jul-02	Method and Apparatus for Providing Calling Number Identification Alias in a Communications System
402.US.C1	10/188521	6662006	AT&T Wireless	United States	02-Jul-02	09-Dec-03	Methods and Systems for Managing the Routing of Packets Over a Hybrid Network
405.CA	2255475		AT&T Wireless	Canada	10-Dec-98		Methods and Systems for Managing the Routing of Packets Over a Hybrid Network
405.EPC	98124229		AT&T Wireless	European Patent Convention	17-Dec-98		Methods and Systems for Managing the Routing of Packets Over a Hybrid Network
405.MX	9810839		AT&T Wireless	Mexico	16-Dec-98		Methods and Systems for Managing the Routing of Packets Over a Hybrid Network
405.US	09/994831		AT&T Wireless	United States	19-Dec-97		Methods and Systems for Managing the Routing of Packets Over a Hybrid Network
405.US.C1	10/017042		AT&T Wireless	United States	14-Dec-01		Methods and Systems for Managing the Routing of Packets Over a Hybrid Network
408.US.C1	1918499	6650897	AT&T Wireless	United States	21-Nov-01	18-Nov-03	Aircraft Cockpit Telephony
411.CA	2272056	2272056	AT&T Wireless	Canada	20-Oct-98	23-Sep-03	A Method and Apparatus for Updating Address Lists

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							for a Packet Filter Processor
411.US	08/956990	6158008	AT&T Wireless	United States	23-Oct-97	05-Dec-00	Method and Apparatus for Updating Address Lists for a Packet Filter Processor
412.US	868062	6580914	AT&T Wireless	United States	17-Aug-98	17-Jun-03	Method and Apparatus for Automatically Providing Location-Based Information Content on a Wireless Device
414.US	09/207370	6427071	AT&T Wireless	United States	08-Dec-98	30-Jul-02	Apparatus and Method for Providing Transporting for a Control Signal
416.US	772368	6256735	AT&T Wireless	United States	17-Aug-98	03-Jul-01	Method and Apparatus for Limiting Access to Network Elements
416.US.C1	09/839113	6334188	AT&T Wireless	United States	23-Apr-01	25-Dec-01	Method and Apparatus for Limiting Access to Network Elements
422.US	09/474138		AT&T Wireless	United States	29-Dec-99		System and Method for Integrating Call Delivery for Fixed-Site and Mobility Services
423.EPC	1973089.4		AT&T Wireless	European Patent Convention	18-Sep-01		Method and System for Remote Call Forwarding of Telephone Calls From an IP Connection
423.JP	2002-527188		AT&T Wireless	Japan	18-Mar-03		Method and System for Remote Call Forwarding of Telephone Calls From an IP Connection
423.PCT.CP1	PCT/US01/29029		AT&T Wireless	Patent Cooperation Treaty	18-Sep-01		Method and System for Remote Call Forwarding of Telephone Calls From an IP Connection
423.US	09/010616	6141545	AT&T Wireless	United States	22-Jan-98	31-Oct-00	Method and System for Remote Call Forwarding of Telephone Calls From Cellular Phone
423.US.C1	10/426046		AT&T Wireless	United States	29-Apr-03		Method and System for Remote Call Forwarding of Telephone Calls From Cellular Phone

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
423.US.CP1	2667977	6571094	AT&T Wireless	United States	18-Sep-00	27-May-03	Method and System for Remote Call Forwarding of Telephone Calls From an IP Connection
424.US	09/315087	6529726	AT&T Wireless	United States	19-May-99	04-Mar-03	Method of Notifying a Wireless Subscriber as to Call Payment Responsibilities
424.US.C1	1371396		AT&T Wireless	United States	10-Oct-02		Method of Notifying a Wireless Subscriber as to Call Pending Responsibilities
425.US.C1	09/648947		AT&T Wireless	United States	25-Aug-00		Aircraft Cabin Telephony Test Unit
427.US	2152224	5870722	AT&T Wireless	United States	22-Sep-95	09-Feb-99	Apparatus and Method for Batch Processing of Wireless Financial Transactions
428.US	252994		AT&T Wireless	United States	11-Jun-99		Method for Providing Alternative Network-Associated Service Address Mobile Registration
428.US.C1	10/884986		AT&T Wireless	United States	07-Jul-04		Method for Providing Alternative Network-Associated Service Address Mobile Registration
429.US	09/315088		AT&T Wireless	United States	19-May-99		Method and Apparatus for Providing Centralized URL Authorization
430.US.C1	2265114	6775544	AT&T Wireless	United States	10-Aug-01	10-Aug-04	Automatic Diagnostic for Detection of Interference in Wireless Communication System
431.US	09/314330		AT&T Wireless	United States	19-May-99		System for Securing Inbound and Outbound Data Packet Flow in a Computer Network
433.US	2151858	5907801	AT&T Wireless	United States	22-Sep-95	25-May-99	Apparatus and Method for Optimizing Wireless Financial Transactions

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
437.US	09/479066		AT&T Wireless	United States	07-Jan-00		System and Method for the Use of Digital Traffic Channels in IS-136 Networks for Transmission of R-Data Packets
439.US	09/489152	6675211	AT&T Wireless	United States	21-Jan-00	06-Jan-04	System and Method for Adjusting the Traffic Carried by a Network
439.US.C1	975473		AT&T Wireless	United States	03-Dec-03		System and Method for Adjusting the Traffic Carried by a Network
440.US	09/386762	6628194	AT&T Wireless	United States	31-Aug-99	30-Sep-03	Filtered In-Box for Voice Mail, E-Mail, Pages, Web-Based Information, and Faxes
440.US.C1	10/644641		AT&T Wireless	United States	19-Aug-03		Filtered In-Box for Voice Mail, E-Mail, Pages, Web-Based Information, and Faxes
442.US.D2	08/647299	5991410	AT&T Wireless	United States	09-May-96	23-Nov-99	Wireless Adaptor and Wireless Financial Transaction System
443.US	09/802872		AT&T Wireless	United States	12-Mar-01		Method and Apparatus for Providing Enhanced Services at a Mobile Communication Device
444.US	09/427417	6584321	AT&T Wireless	United States	27-Oct-99	24-Jun-03	Method and Apparatus for Wireless Data Services Over a Selected Bearer Service
444.US.C1	454817		AT&T Wireless	United States	10-Jun-03		Method and Apparatus for Wireless Data Services Over a Selected Bearer Service
445.US	2026245		AT&T Wireless	United States	17-Jun-99		System and Method for Outbox-Capable Wireless Transmission
446.BR	147314		AT&T Wireless	Brazil	04-Jul-00		Method for Contacting a Subscriber to Multiple Wireless Bearer Services
446.CA	2313647		AT&T Wireless	Canada	07-Jul-00		Method for Contacting a Subscriber to Multiple Wireless Bearer Services

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
446.EPC	305600.9		AT&T Wireless	European Patent Convention	03-Jul-00		Method for Contacting a Subscriber to Multiple Wireless Bearer Services
446.JP	2000-207053		AT&T Wireless	Japan	07-Jul-00		Method for Contacting a Subscriber to Multiple Wireless Bearer Services
446.US	09/353241	6480720	AT&T Wireless	United States	14-Jul-99	12-Nov-02	Method for Contacting a Subscriber to Multiple Wireless Bearer Services
447.US	457161	5611176	AT&T Wireless	United States	01-Jun-95	18-Mar-97	Antenna Support Structure (utility)
448.US	43471	D398612	AT&T Wireless	United States	13-Sep-95	22-Sep-98	Antenna Support Structure (design)
451.US.C1	09/628980	6775270	AT&T Wireless	United States	11-Feb-00	10-Aug-04	Method for Diverting an ISUP Talkpath to an IP Talkpath
451.US.C1(1)	635067		AT&T Wireless	United States	02-Mar-04		Method for Diverting an ISUP Talkpath to an IP Talkpath
452.BR	213517		AT&T Wireless	Brazil	22-May-00		Method for Automatically Programming a Wireless Telephone With a Voice Mail System Access Number
452.CA	2309406		AT&T Wireless	Canada	24-May-00		Method for Automatically Programming a Wireless Telephone With a Voice Mail System Access Number
452.EPC	302848.7		AT&T Wireless	European Patent Convention	04-Apr-00		Method for Automatically Programming a Wireless Telephone With a Voice Mail System Access Number
452.JP	2000-157517		AT&T Wireless	Japan	29-May-00		Method for Automatically Programming a Wireless Telephone With a Voice Mail System Access Number
452.KR	10-2000-0030359		AT&T Wireless	South Korea	02-Jun-00		Method for Automatically Programming a Wireless Telephone With a Voice Mail System Access Number

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
452.TW	89110400	146948	AT&T Wireless	Taiwan	29-May-00	12-Apr-02	Method for Automatically Programming a Wireless Telephone With a Voice Mail System Access Number
452.US	09/324486	6498930	AT&T Wireless	United States	02-Jun-99	24-Dec-02	Method for Automatically Programming a Wireless Telephone With a Voice Mail System Access Number
454.PCT.CP1	PCT/US02/19336		AT&T Wireless	Patent Cooperation Treaty	19-Jun-02		Aircraft Data Communications Services for Users
454.PCT.CP2	PCT/US02/19337		AT&T Wireless	Patent Cooperation Treaty	19-Jun-02		Aircraft Data Services System and Method for Communication Between Airborne and Ground-Based Entities
454.US	09/312011	6760778	AT&T Wireless	United States	14-May-99	06-Jul-04	Aircraft Data Communications Services for Users
454.US.CP1	09/884724		AT&T Wireless	United States	19-Jun-01		Aircraft Data Services
454.US.CP2	09/884730		AT&T Wireless	United States	19-Jun-01		Method and Apparatus for Data Communication Utilizing the North American Terrestrial System
454.US.D1	10/819944		AT&T Wireless	United States	08-Apr-04		Method of Apparatus for Use in Forwarding Calls Intended for Roaming Subscriber Units
455.US	09/476461		AT&T Wireless	United States	30-Dec-99		Floating Intrusion Detection Platforms
459.EPC	1304493.8		AT&T Wireless	European Patent Convention	22-May-01		Floating Intrusion Detection Platforms
459.US	09/580889		AT&T Wireless	United States	30-May-00		E-Mail Usage Pattern Detection
463.US	09/356974	6507866	AT&T Wireless	United States	19-Jul-99	14-Jan-03	Detection

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470.US	650743		AT&T Wireless	United States	28-Nov-00		Testing Methods and Apparatus for Wireless Communications
472.US	09/745268		AT&T Wireless	United States	21-Dec-00		Monitoring Network Performance Using Individual Cell Phone Location & Performance Information
474.CA	2314855		AT&T Wireless	Canada	02-Aug-00		Method and Apparatus for Use in Providing a Discounted Call Rate for Wireless Communications
474.EPC	116197.5		AT&T Wireless	European Patent Convention	02-Aug-00		Method and Apparatus for Use in Providing a Discounted Call Rate for Wireless Communications
474.HK	1109003.5		AT&T Wireless	Hong Kong	21-Dec-01		Method and Apparatus for Use in Providing a Discounted Call Rate for Wireless Communications
474.JP	2000-238722		AT&T Wireless	Japan	07-Aug-00		Method and Apparatus for Use in Providing a Discounted Call Rate for Wireless Communications
474.US	09/557381	6640096	AT&T Wireless	United States	25-Apr-00	28-Oct-03	Method and Apparatus for Use in Providing a Discounted Call Rate for Wireless Communications
475.BR	143329		AT&T Wireless	Brazil	05-May-00		Method for Registering With a Communication Service
475.CA	2305971	2305971	AT&T Wireless	Canada	19-Apr-00	16-Mar-04	Method for Registering With a Communication Service
475.EPC	302020.3		AT&T Wireless	European Patent Convention	13-Mar-00		Method for Registering With a Communication Service
475.JP	2000-127609		AT&T Wireless	Japan	27-Apr-00		Method for Registering With a Communication Service
475.TW	89108248		AT&T Wireless	Taiwan	01-May-00		Method for Registering With a Communication Service

Docket Number	Application Number	Patent Number	Inventor	Country Name	Application Date	Grant Date	Title
475.US	09/306761		AT&T Wireless	United States	07-May-99		Method for Registering With a Communication Service
475.US.C1	10/890298		AT&T Wireless	United States	14-Jul-04		Method for Registering With a Communication Service
481.US	09/615485	6577723	AT&T Wireless	United States	13-Jul-00	10-Jun-03	Application of TCAP Criteria in SCCP Routing
483.US	-176167		AT&T Wireless	United States	07-Jun-00		System and Method of Using Local Number Portability (LNP) to Redirect Terminating Calls to a Service Node
488.PCT	PCT/US02/21308		AT&T Wireless	Patent Cooperation Treaty	31-Jul-02		Attribute Rule Enforcer for a Directory
488.US	588650		AT&T Wireless	United States	01-Aug-01		Attribute Rule Enforcer for a Directory
490.CA	2463700		AT&T Wireless	Canada	20-Dec-01		Methods and Systems for Communicating and Controlling Facsimile Information
490.PCT	PCT/US01/49729		AT&T Wireless	Patent Cooperation Treaty	20-Dec-01		Methods and Systems for Communicating and Controlling Facsimile Information
490.US	09/745209		AT&T Wireless	United States	21-Dec-00		Methods and Systems for Communicating and Controlling Facsimile Information
490.US.C1	mailed		AT&T Wireless	United States	17-Sep-04		Methods and Systems for Communicating and Controlling Facsimile Information
491.AR	10104905		AT&T Wireless	Argentina	18-Oct-01		Method of Sharing Revenue for Transmission of Wireless Data From a Vehicle
491.PCT	PCT/US01/50369		AT&T Wireless	Patent Cooperation Treaty	19-Oct-01		A Method of Sharing Revenue for Transmission of Wireless Data From a Vehicle

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491.VZ	2206-2001		AT&T Wireless	Venezuela	18-Oct-01		Method of Sharing Revenue for Transmission of Wireless Data From a Vehicle
493.US	2578858		AT&T Wireless	United States	20-Dec-99		System and Method for Automatically Transferring a Call From a First Telephone to a Designated Telephone in Close Proximity
494.US	2557308		AT&T Wireless	United States	20-Dec-99		System and Method for Using a Short-Range Radio Link to Directly Communicate Between Telephones Connected Through a Primary Communications Network
497.US	09/688401		AT&T Wireless	United States	16-Oct-00		Telematics Services System Using Vehicle Electronics for Memory and I/O Functions
498.US	09/739044		AT&T Wireless	United States	18-Dec-00		Methods and Systems for Using Network Capabilities to Correct Phone Displays
499.US	311432		AT&T Wireless	United States	28-Nov-00		Multiple Handset Cradle Assembly
501.US	-266747		AT&T Wireless	United States	10-May-01		Methods and Systems for Audio Distribution Over Aircraft Telecommunications Wiring
503.US	09/707671		AT&T Wireless	United States	07-Nov-00		Activation and Remote Modification of Wireless Services in a Packet Network Context
504.US	09/703858		AT&T Wireless	United States	01-Nov-00		A Method for Programming a Mobile Station Using a Permanent Mobile Station Identifier
506.EPC	2734147.8		AT&T Wireless	European Patent Convention	03-May-02		Method and Apparatus for Providing Personal Audio Alert Messaging for Audio Alerting Capable Terminals

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506.PCT	PCT/US02/13904		AT&T Wireless	Patent Cooperation Treaty	03-May-02		Method and Apparatus for Providing Personal Audio Alert Messaging for Audio Alerting Capable Terminals
506.US	09/899956		AT&T Wireless	United States	06-Jul-01		Personal Audio Alert Message for Audio Alerting Capable Terminal
507.US	-577934		AT&T Wireless	United States	31-Jul-01		Method and Apparatus for Providing Interactive Text Messages During a Voice Call
513.EPC	1111280.2		AT&T Wireless	European Patent Convention	16-May-01		Method and Systems for Managing Customizable Content on Wireless Data Devices
513.JP	2001-146263		AT&T Wireless	Japan	16-May-01		Method and Systems for Managing Customizable Content on Wireless Data Devices
513.US	372427	6603984	AT&T Wireless	United States	14-May-01	05-Aug-03	Methods and Systems for Managing Information on Wireless Data Devices
517.PCT	PCT/US02/18611		AT&T Wireless	Patent Cooperation Treaty	12-Jun-02		Using Wireless Cookies to Deliver Network-Based Location Information
517.US	09/879351		AT&T Wireless	United States	12-Jun-01		Using Wireless Cookies to Deliver Network-Based Location Information
519.US	09/867989		AT&T Wireless	United States	30-May-01		System and Method of Providing Public Voicemail Service to Private Network Subscribers
520.AR	10105179		AT&T Wireless	Argentina	05-Nov-01		System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation of a Mobile Device
520.BR	P10105120-2		AT&T Wireless	Brazil	07-Nov-01		System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation of a Mobile Device

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520.CA	2358175		AT&T Wireless	Canada	03-Oct-01		System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation of a Mobile Device
520.EPC	1994191.3		AT&T Wireless	European Patent Convention	07-Nov-01		System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation of a Mobile Device
520.JP	2002-558719		AT&T Wireless	Japan	07-Nov-01		System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation of a Mobile Device
520.MX	PA/a/2001/011175		AT&T Wireless	Mexico	01-Nov-01		System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation of a Mobile Device
520.PCT	PCT/US01/47711		AT&T Wireless	Patent Cooperation Treaty	07-Nov-01		System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation of a Mobile Device
520.US	09/707593	6591098	AT&T Wireless	United States	07-Nov-00	08-Jul-03	System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation of a Mobile Device
520.US.C1	10/409770		AT&T Wireless	United States	08-Apr-03		System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation of a Mobile Device
520.VZ	2001-002318		AT&T Wireless	Venezuela Patent Cooperation Treaty	05-Nov-01		System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation of a Mobile Device
525.PCT	PCT/US02/18612		AT&T Wireless		12-Jun-02		Using a Wireless Cookie to Deliver Mobile-Based Location Information

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525.US	09/879349		United States	12-Jun-01		Using a Wireless Cookie to Deliver Mobile-Based Location Information
527.CA	2428440		Canada	16-Nov-01		A Short Message Point-to-Point Protocol Gateway Having a Standard Interface
527.EPC	1994087.3		European Patent Convention	16-Nov-01		An SMPP Gateway Having a Standard Interface
527.PCT	PCT/US01/43671		Patent Cooperation Treaty	16-Nov-01		An SMPP Gateway Having a Standard Interface
527.US1	09/714036		United States	16-Nov-00		An SMPP Gateway Having a Standard Interface
527.US2	09/714035		United States	17-Nov-00		Method of Delivering Short Messages Using an SMPP Gateway With a Standard Interface
527.US3	09/714034		United States	17-Nov-00		Method of Binding to a SMPP Gateway
527.US4	09/714033		United States	17-Nov-00		A System and Method for Performing Anti-Spam Control Using a SMPP Gateway
527.US5	09/714032		United States	17-Nov-00		A System and Method for Performing Throttle Control in a SMPP Gateway
527.US6	09/714031		United States	16-Nov-00		A System and Method of Performing Flow Control in a SMPP Gateway
528.PCT	PCT/US02/11450		Patent Cooperation Treaty	12-Apr-02		Scrolling Display for Mobile Telephone Text Messaging
528.US	10/120475	6799033	United States	10-Apr-02	28-Sep-04	Scrolling Display for Mobile Telephone Text Messaging
530.US	09/968528		United States	02-Oct-01		Network Access Using Network Identification
531.AR	10104906		Argentina	18-Oct-01		Shared-Revenue Billing System for Transmission of

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							Wireless Data From a Vehicle
531.EPC	1987994.9		AT&T Wireless	European Patent Convention	19-May-03		Apparatus and Method for Monitoring a Wireless Device Associated With a Vehicle
531.PCT	PCT/US01/50164		AT&T Wireless	Patent Cooperation Treaty	19-Oct-01		Shared-Revenue Billing System for Transmission of Wireless Data from a Vehicle
531.US	09/691798	6751475	AT&T Wireless	United States	19-Oct-00	15-Jun-04	Shared-Revenue Billing System for Transmission of Wireless Data from a Vehicle
531.US.C1	10/862773		AT&T Wireless	United States	07-Jun-04		Methods and Systems for Monitoring Data Communication of a Wireless Device Associated with a Vehical or Other Device
531.US.C2	mailed		AT&T Wireless	United States	06-Jul-04		Shared-Revenue Billing System for Transmission of Wireless Data from a Vehicle
531.US.CP1	10/885427		AT&T Wireless	United States	06-Jul-04		Methods and Systems for Monitoring Data Communication of a Wireless Device Associated with a Vehicle
531.VZ	2205-2001		AT&T Wireless	Venezuela	18-Oct-01		Shared-Revenue Billing System for Transmission of Wireless Data From a Vehicle
532.PCT	PCT/US02/21073		AT&T Wireless	Patent Cooperation Treaty	03-Jul-02		Method and System for Audibly Announcing an Indication of an Identity of a Sender of a Communication
532.US	09/899963	6570983	AT&T Wireless	United States	06-Jul-01	27-May-03	Method and System for Audibly Announcing an Indication of an Identity of a Sender of a Communication

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533.US	09/742313		AT&T Wireless	United States	21-Dec-00		Location Information Erase on SIM Cards
535.AR	10105972		AT&T Wireless	Argentina	19-Dec-01		Prepaid Phone Service for Both Wired and Wireless Telecommunication Devices
535.CL	3117-2001		AT&T Wireless	Chile	20-Dec-01		Prepaid Phone Service for Both Wired and Wireless Telecommunication Devices
535.EPC	1991484.5		AT&T Wireless	European Patent Convention	21-Dec-01		Prepaid Phone Service for Both Wired and Wireless Telecommunication Devices
535.PCT	PCT/US01/49803		AT&T Wireless	Patent Cooperation Treaty	21-Dec-01		Prepaid Phone Service for Both Wired and Wireless Telecommunication Devices
535.US	09/742924	6529593	AT&T Wireless	United States	21-Dec-00	04-Mar-03	Prepaid Phone Service for Both Wired and Wireless Telecommunication Devices
535.US.C1	10/322218		AT&T Wireless	United States	17-Dec-02		Sharing of Wireless Telephone Services for a Personal Wireless Telephone and a Vehicular Wireless Telephone
536.PCT	PCT/US01/31205		AT&T Wireless	Patent Cooperation Treaty	03-Oct-01		Sharing of Wireless Telephone Services for a Personal Wireless Telephone and a Vehicular Wireless Telephone
536.US	09/971080		AT&T Wireless	United States	03-Oct-01		Intelligent Network Selection Based on Quality of Service and Applications Over Different Wireless Networks
539.US	09/752487		AT&T Wireless	United States	29-Dec-00		Operations, Administration and Maintenance of Components in a Mobility
540.US	2414133		AT&T Wireless	United States	15-Nov-01		

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							Network
541.CA	2417028		AT&T Wireless	Canada	22-Jan-03		Inter-Carrier Sort Text Message Delivery
541.US	10/347504		AT&T Wireless	United States	17-Jan-03		Inter-Carrier Sort Text Message Delivery
542.US	10/024833		AT&T Wireless	United States	19-Dec-01		Quick SMS Reply
543.AR	10105421		AT&T Wireless	Argentina	20-Nov-01		Methods and Systems for Providing Application Level Presence Information in Wireless Communication
543.CL	2820-2001		AT&T Wireless	Chile	20-Nov-01		Methods and Systems for Providing Application Level Presence Information in Wireless Communication
543.EPC	1997932.7		AT&T Wireless	European Patent Convention	20-Nov-01		System for Providing Wireless Communication Presence Information
543.PCT	PCT/US01/43228		AT&T Wireless	Patent Cooperation Treaty	20-Nov-01		Methods and Systems for Providing Application Level Presence Information in Wireless Communication
543.US	1596720		AT&T Wireless	United States	20-Nov-01		Methods and Systems for Providing Application Level Presence Information in Wireless Communication
548.US	10/086192		AT&T Wireless	United States	27-Feb-02		Electronic Surveillance Via Correlation of Call Legs
549.US	10/085491		AT&T Wireless	United States	27-Feb-02		Call Path Reduction Via Correlation of Call Legs in a Hairpin Loop Scenario
550.CA	2278535	2278535	AT&T Wireless	Canada	30-Jan-98	31-Dec-02	Wireless Communications System and Method of Operation for Reducing Fraud
550.EPC	98904768.3	956733	AT&T Wireless	European Patent Convention	30-Jan-98	04-Aug-04	Wireless Communications System and Method of Operation for Reducing Fraud
550.JP	2515700		AT&T Wireless	Japan	30-Jan-98		Wireless Communications System and Method of Operation for Reducing Fraud

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550.MX	997060	211880	AT&T Wireless	Mexico	30-Jan-98	06-Dec-02	Wireless Communications System and Method of Operation for Reducing Fraud
550.US	1288790	6064875	AT&T Wireless	United States	31-Jan-97	16-May-00	Wireless Communications System and Method of Operation for Reducing Fraud
550.US.C1	09/451589	6393283	AT&T Wireless	United States	30-Nov-99	21-May-02	Wireless Communications System and Method of Operation for Reducing Fraud
553.PCT	PCT/US02/06909		AT&T Wireless	Patent Cooperation Treaty	04-Mar-02		Real-Time Network Analysis and Performance Management
553.US	10/090265		AT&T Wireless	United States	04-Mar-02		Real-Time Drive Network Analysis and Performance Management
557.US	10/039577		AT&T Wireless	United States	26-Oct-01		A Method and Apparatus to Manage a Resource
559.US	09/995327		AT&T Wireless	United States	27-Nov-01		A Method and Apparatus to Store, Access, and Forward Messages
562P.US	60/337892		AT&T Wireless	United States	08-Nov-01		SACCH-Based Fast Power Control for GERAN (GSM Edge Radio Access Network)
564.EPC	2734731.9		AT&T Wireless	European Patent Convention	04-Jun-02		Hotline Routing of Pre-Activated GSM Subscribers Using Pseudo MSISDNs
564.HK	4103513.8		AT&T Wireless	Hong Kong	18-May-04		Hotline Routing of Pre-Activated GSM Subscribers Using Pseudo MSISDNs
564.PCT	PCT/US02/18053		AT&T Wireless	Patent Cooperation Treaty	04-Jun-02		Hotline Routing of Pre-Activated GSM Subscribers Using Pseudo MSISDNs
564.US	10/162304		AT&T Wireless	United States	04-Jun-02		Hotline Routing of Pre-Activated GSM Subscribers Using Pseudo MSISDNs

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							MSISDNs
565.CA	2441764		AT&T Wireless	Canada	03-Apr-02		Methods and Apparatus for Mobile Station Location Estimation
565.CN	2807712.1		AT&T Wireless	China P.R.	03-Apr-02		Methods and Apparatus for Mobile Station Location Estimation
565.EPC	2759749.1		AT&T Wireless	European Patent Convention	03-Apr-02		Methods and Apparatus for Mobile Station Location Estimation
565.JP	mailed		AT&T Wireless	Japan	03-Apr-02		Methods and Apparatus for Mobile Station Location Estimation
565.KR	2003-7012902		AT&T Wireless	South Korea	03-Apr-02		Methods and Apparatus for Mobile Station Location Estimation
565.MX	PA/a/2003/009011		AT&T Wireless	Mexico	03-Oct-03		Methods and Apparatus for Mobile Station Location Estimation
565.PCT	PCT/US02/10791		AT&T Wireless	Patent Cooperation Treaty	03-Apr-02		Methods and Apparatus for Mobile Station Location Estimation
565.US	10/473926		AT&T Wireless	United States	08-Mar-04		Mobile-Assisted Network Location System (MNLS) Overview
566.US	1839637		AT&T Wireless	United States	05-Dec-01		Methods and Apparatus for Anonymous User Identification and Content Personalization in Wireless Communication
568.CN	2808405.5		AT&T Wireless	China P.R.	17-Oct-03		Binding Information for IP Media Flows
568.EPC	2728813.3		AT&T Wireless	European Patent Convention	16-Apr-02		Binding Information for IP Media Flows
568.JP	mailed		AT&T Wireless	Japan	17-Oct-03		Binding Information for IP Media Flows
568.PCT	PCT/US02/12181		AT&T Wireless	Patent Cooperation Treaty	16-Apr-02		Binding Information for IP Media Flows
568.US	10/091047		AT&T Wireless	United States	04-Mar-02		Binding Information for IP Media Flows

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
573.EPC	1111279.4		AT&T Wireless	European Patent Convention	16-May-01		Method and Systems for Searching and Managing Information on Wireless Data Devices
573.JP	2001-146264		AT&T Wireless	Japan	16-May-01		Method and Systems for Searching and Managing Information on Wireless Data Devices
573.US	456433		AT&T Wireless	United States	14-May-01		Method and Systems for Searching and Managing Information on Wireless Data Devices
576.EPC	2773532.3		AT&T Wireless	European Patent Convention	30-Apr-04		Recognition of an Automatic Connection Using Spoken Address Information Received In Voice Mails and Real Time Telephone Conversations
576.PCT	PCT/US02/30124		AT&T Wireless	Patent Cooperation Treaty	19-Sep-02		Recognition of an Automatic Connection Using Spoken Address Information Received In Voice Mails and Real Time Telephone Conversations
576.US	09/972572		AT&T Wireless	United States	03-Oct-01		System and Method for Recognition of and Automatic Connection Using Spoken Address Information Received In Voice Mails and Live Telephone Conversations
577.CA	mailed		AT&T Wireless	Canada	24-Jun-02		Method and Apparatus for Providing Power and Wireless Protocol Capability to a Wireless Device, Such as a Wireless Phone
577.PCT1	PCT/US02/20105		AT&T Wireless	Patent Cooperation Treaty	24-Jun-02		Method and Apparatus for Providing Power and Wireless Protocol Capability to a Wireless Device, Such as a Wireless Phone

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
577.PCT2	PCT/US02/20165		AT&T Wireless	Patent Cooperation Treaty	24-Jun-02		Wireless Adapter for Use With Proprietary Hands-Free Car Kits in Support of Multi-Model Mobile Phones
577.PCT3	PCT/US02/20121		AT&T Wireless	Patent Cooperation Treaty	24-Jun-02		Bluetooth External Module for Car Radio
577.US1	10/036188	6636749	AT&T Wireless	United States	31-Dec-01	21-Oct-03	Method and Apparatus for Providing Power and Wireless Protocol Capability to a Wireless Device, Such as a Wireless Phone
577.US1.C1	10/630646		AT&T Wireless	United States	29-Jul-03		Method and Apparatus for Providing Power and Wireless Protocol Capability to a Wireless Device, Such as a Wireless Phone
577.US2	10/036151		AT&T Wireless	United States	31-Dec-01		Wireless Adapter for Use With Proprietary Hands-Free Car Kits in Support of Multi-Model Mobile Phones
577.US3	10/036109		AT&T Wireless	United States	31-Dec-01		Bluetooth External Module for Car Radio
585.US	2616507		AT&T Wireless	United States	06-May-02		System and Method for Providing an Automatic Response to a Telephone Call
586.US.C1	08/440183	5541977	AT&T Wireless	United States	12-May-95	30-Jul-96	Method and Apparatus for Preventing Wireless Fraud
586.US.C2	08/652214	5754952	AT&T Wireless	United States	23-May-96	19-May-98	Secure Validation/Registration of Analog Cellular Phones
587.CN	94106449.2	94106449.2	AT&T Wireless	China P.R.	15-Jun-94	10-Oct-01	A Cellular/PQS Handset NAM Download Capability Using a Wide-Area Paging System
587.JP	6-155408/1994	3035158	AT&T Wireless	Japan	16-Jun-94	18-Feb-00	A Cellular/PQS Handset NAM Download Capability Using a Wide-Area Paging System

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
587.KR	10-1994-0011468	363502	AT&T Wireless	South Korea	26-May-94	24-Aug-02	A Cellular/PCS Handset NAM Download Capability Using a Wide-Area Paging System
587.US.C2	08/700135	5722084	AT&T Wireless	United States	20-Aug-96	24-Feb-98	Cellular/PCS Handset NAM Download Capability Using a Wide-Area Paging System
588.CA	2183284	2183284	AT&T Wireless	Canada	14-Aug-96	27-Jul-99	Traffic Information Estimation and Reporting System
588.DE	763807	DE69611274D	AT&T Wireless	Germany	28-Aug-96	20-Dec-00	Traffic Information Estimation and Reporting System
588.EPC	96113768.4	763807	AT&T Wireless	European Patent Convention	28-Aug-96	20-Dec-00	Traffic Information Estimation and Reporting System
588.FR	96113768.4	763807	AT&T Wireless	France	28-Aug-96	20-Dec-00	Traffic Information Estimation and Reporting System
588.GB	96113768.4	763807	AT&T Wireless	Great Britain	28-Aug-96	20-Dec-00	Traffic Information Estimation and Reporting System
588.JP	242430/1996		AT&T Wireless	Japan	13-Sep-96		Traffic Information Estimation and Reporting System
588.MX	963902	199227	AT&T Wireless	Mexico	05-Sep-96	24-Oct-00	Traffic Information Estimation and Reporting System
588.US	768685	5732383	AT&T Wireless	United States	14-Sep-95	24-Mar-98	Pager-Controlled Wireless Radiotelephone
589.AU	10091/97	721050	AT&T Wireless	Australia	09-Jan-97	05-Oct-00	Pager-Controlled Wireless Radiotelephone
589.CA	2192500		AT&T Wireless	Canada	10-Dec-96		Pager-Controlled Wireless Radiotelephone
589.EPC	97100336.3		AT&T Wireless	European Patent Convention	10-Jan-97		Pager-Controlled Wireless Radiotelephone
589.JP	2480/1997		AT&T Wireless	Japan	10-Jan-97		Pager-Controlled Wireless Radiotelephone
589.US	08/564417	5737707	AT&T Wireless	United States	11-Jan-96	07-Apr-98	Pager-Controlled Wireless Radiotelephone

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
591.AU	10092/97	721605	AT&T Wireless	Australia	09-Jan-97	19-Oct-00	Automated Wireless-Call Completion Using a Paging Network
591.CA	2192513	2192513	AT&T Wireless	Canada	10-Dec-96	05-Dec-00	Automated Wireless-Call Completion Using a Paging Network
591.EPC	97100337.1		AT&T Wireless	European Patent Convention	10-Jan-97		Automated Wireless-Call Completion Using a Paging Network
591.JP	2479/1997		AT&T Wireless	Japan	10-Jan-97		Automated Wireless-Call Completion Using a Paging Network
591.US	08/584416	5802470	AT&T Wireless	United States	11-Jan-96	01-Sep-98	Automated Wireless-Call Completion Using a Paging Network
592.US	2207009	5950134	AT&T Wireless	United States	08-Sep-97	07-Sep-99	Method and Apparatus for Spatial Redundancy in Cellular Networks
593.CA	2234322	2234322	AT&T Wireless	Canada	08-Apr-98	09-Jul-02	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
593.CN	98109554.2		AT&T Wireless	China P.R.	02-Jun-98		Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
593.DE	98302715.2	69806856.4	AT&T Wireless	Germany	07-Apr-98	31-Jul-02	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
593.EPC	98302715.2	883317	AT&T Wireless	European Patent Convention	07-Apr-98	31-Jul-02	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
593.FR	98302715.2	883317	AT&T Wireless	France	07-Apr-98	31-Jul-02	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
593.GB	98302715.2	883317	AT&T Wireless	Great Britain	07-Apr-98	31-Jul-02	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
593.JP	10-152363		AT&T Wireless	Japan	02-Jun-98		Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
593.US	08/668403	5960339	AT&T Wireless	United States	03-Jun-97	28-Sep-99	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
594.EPC	97103159.6	793375	AT&T Wireless	European Patent Convention	26-Feb-97	26-Nov-03	Automatic Cellular Telephone Registration for Universal Telephone Number Service
594.GB	97103159.6	97103159.6	AT&T Wireless	Great Britain	26-Feb-97	26-Nov-03	Automatic Cellular Telephone Registration for Universal Telephone Number Service
594.JP	450011997		AT&T Wireless	Japan	28-Feb-97		Automatic Cellular Telephone Registration for Universal Telephone Number Service
594.KR	10-1997-0006587		AT&T Wireless	South Korea	28-Feb-97		Automatic Cellular Telephone Registration for Universal Telephone Number Service
594.US	08/608232	5960340	AT&T Wireless	United States	28-Feb-96	28-Sep-99	Automatic Cellular Telephone Registration for Universal Telephone Number Service
595.US	08/862095	6002935	AT&T Wireless	United States	22-May-97	14-Dec-99	Wireless Communications Cellular Architecture for Improving Communications Resource Allocation
595.US.C2	09/893869		AT&T Wireless	United States	29-Jun-01		Wireless Communications Cellular Architecture for Improving Communications Resource Allocation
596.US	08/941231	6052598	AT&T Wireless	United States	30-Sep-97	18-Apr-00	Method for Predicting the Location of a Mobile Station in a Mobile Communications Network
597.CA.CP1	2204815	2204815	AT&T Wireless	Canada	08-May-97	12-Aug-03	Method for Self-Calibration of a Wireless Communication System
597.CA.CP1D1	2350939		AT&T Wireless	Canada	08-May-97		Method for Self-Calibration of a Wireless Communication System
597.CA.CP1D2	2352594		AT&T Wireless	Canada	08-May-97		Method for Self-Calibration of a Wireless Communication System
597.EPC.D1	1116398.7		AT&T Wireless	European Patent Convention	08-Jul-01		Wireless Communication System With Adaptive Channel Allocation

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
597.JP.CP1	291857/1997		AT&T Wireless	Japan	24-Oct-97		Method for Self-Calibration of a Wireless Communication System
597.JP.D1	2001-206584		AT&T Wireless	Japan	10-Jul-01		Method for Self-Calibration of a Wireless Communication System
597.US.CP1	08/736871	6473623	AT&T Wireless	United States	25-Oct-96	29-Oct-02	Method for Self-Calibration of a Wireless Communication System
597.US.CP1C1	1133622	6775549	AT&T Wireless	United States	08-Oct-02	10-Aug-04	Method for Self-Calibration of a Wireless Communication System
597.US.D1	09/222894	6496699	AT&T Wireless	United States	30-Dec-98	17-Dec-02	Method for Self-Calibration of a Wireless Communication System
598.CA	2231928	2231928	AT&T Wireless	Canada	12-Mar-98	18-Feb-03	Method and System for Providing Access to a Telecommunications Network
598.CN	98109550.X		AT&T Wireless	China P.R.	02-Jun-98		Method and System for Providing Access to a Telecommunications Network
598.DE	98301494.5	883315	AT&T Wireless	Germany	02-Mar-98	19-May-04	Method and System for Providing Access to a Telecommunications Network
598.EPC	98301494.5	883315	AT&T Wireless	European Patent Convention	02-Mar-98	19-May-04	Method and System for Providing Access to a Telecommunications Network
598.FR	98301494.5	883315	AT&T Wireless	France	02-Mar-98	19-May-04	Method and System for Providing Access to a Telecommunications Network
598.GB	98301494.5	883315	AT&T Wireless	Great Britain	02-Mar-98	19-May-04	Method and System for Providing Access to a Telecommunications Network
598.IN	687/MAS/98		AT&T Wireless	India	01-Apr-98		Method and System for Providing Access to a Telecommunications Network

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
598.JP	10-145267		AT&T Wireless	Japan	27-May-98		Method and System for Providing Access to a Telecommunications Network
598.MX	984354		AT&T Wireless	Mexico	01-Jun-98		Method and System for Providing Access to a Telecommunications Network
598.US	08/868407		AT&T Wireless	United States	03-Jun-97		Method and System for Providing Access to a Telecommunications Network
600.BR	0003715-0		AT&T Wireless	Brazil	21-Aug-00		International Roaming Service for Permitting a Cellular/Wireless Telephone Instrument to Access Different Wireless Telephone Network Systems
600.CA	2316088		AT&T Wireless	Canada	17-Aug-00		International Roaming Service for Permitting a Cellular/Wireless Telephone Instrument to Access Different Wireless Telephone Network Systems
600.EPC	112746.3		AT&T Wireless	European Patent Convention	18-Jun-00		International Roaming Service for Permitting a Cellular/Wireless Telephone Instrument to Access Different Wireless Telephone Network Systems
600.JP	2000-254818		AT&T Wireless	Japan	25-Aug-00		International Roaming Service for Permitting a Cellular/Wireless Telephone Instrument to Access Different Wireless Telephone Network Systems
600.US	09/384451	6754490	AT&T Wireless	United States	27-Aug-99	22-Jun-04	International Roaming Service for Permitting a Cellular/Wireless Telephone Instrument to

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
							Access Different Wireless Telephone Network Systems
600.US.C1	mailed		AT&T Wireless	United States	17-Jun-04		International Roaming Service for Permitting a Cellular/Wireless Telephone Instrument to Access Different Wireless Telephone Network Systems
602.US	09/459266	6317684	AT&T Wireless	United States	22-Dec-99	13-Nov-01	Method and Apparatus for Navigation Using a Portable Communication Device
603.US	09/489477	6404388	AT&T Wireless	United States	21-Jan-00	11-Jun-02	Method and Apparatus for Enhanced 911 Location Using Power Control in a Wireless System
603.US.C1	10/155380	6590533	AT&T Wireless	United States	24-May-02	08-Jul-03	Method and Apparatus for Enhanced 911 Location Using Power Control in a Wireless System
603.US.C1(1)	10/456052		AT&T Wireless	United States	06-Jun-03		Method and Apparatus for Enhanced 911 Location Using Power Control in a Wireless System
604.US.C1	10/295293	6744383	AT&T Wireless	United States	15-Nov-02	01-Jun-04	Intelligent Roadway System
605.US	09/900773		AT&T Wireless	United States	06-Jul-01		Enhanced Communication Service for Predicting and Handling Communication Interruption
606.EPC	3743137.6		AT&T Wireless	European Patent Convention	18-Feb-03		Secure Online Purchasing
606.PCT	PCT/US03/04650		AT&T Wireless	Cooperation Treaty	18-Feb-03		Secure Online Purchasing
606.US	10/080988		AT&T Wireless	United States	22-Feb-02		Secure Online Purchasing
606.US.CP1	10/160656		AT&T Wireless	United States	30-May-02		Secure Online Purchasing
607.US	10/017629		AT&T Wireless	United States	13-Dec-01		A Call Queue In a Wireless Device

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
608.US	10/209754		AT&T Wireless	United States	31-Jul-02		Efficient Synchronous and Asynchronous Database Replication
609.PCT	PCT/US03/16652		AT&T Wireless	Patent Cooperation Treaty	23-May-03		System and Method for Providing a Digital Rights Scheme for Browser Downloads
609.US	10/160695		AT&T Wireless	United States	30-May-02		System and Method for Providing a Digital Rights Scheme for Browser Downloads
614.US	10/259558		AT&T Wireless	United States	25-Sep-02		Virtual Subscriber Network
618.US	1387467		AT&T Wireless	United States	28-May-04		
619.US	10/690468		AT&T Wireless	United States	20-Oct-03		PIC Freeze
621.US	10/155917		AT&T Wireless	United States	24-May-02		Biometric Authentication of a Wireless Device User
622.PCT	PCT/US04/07235		AT&T Wireless	Patent Cooperation Treaty	09-Mar-04		Multi-Standard Prepaid Communication Services
622.US	445686		AT&T Wireless	United States	18-Mar-03		Multi-Standard Prepaid Communication Services
625.PCT	PCT/US03/36316		AT&T Wireless	Patent Cooperation Treaty	12-Nov-03		Prepaid Telecommunications System
625.US	10/295233		AT&T Wireless	United States	14-Nov-02		Prepaid Telecommunications System
628.US	10/840810		AT&T Wireless	United States	07-May-04		System and Method for SMS Text Routing
630.US	10/282742		AT&T Wireless	United States	28-Oct-02		Text Abbreviation Methods and Apparatus and Systems Using Same
632.US	10/282909		AT&T Wireless	United States	28-Oct-02		Speech to Message Processing
633.US	mailed		AT&T Wireless	United States	19-Feb-03		Interrogate Response Communication (IRC)
634.US.CP1	10/279170		AT&T Wireless	United States	23-Oct-02		Interactive Education Tool
635.US	10/634977		AT&T Wireless	United States	04-Aug-03		Receiver Test System
636.US	10/253403		AT&T Wireless	United States	23-Sep-02		Cell Planning Methods and Apparatus, and Networks

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
							Configured Based on Same
638.US	216500		AT&T Wireless	United States	22-Jul-02		Methods and Apparatus for Formatting Information for a Communication
639.US	10/324494		AT&T Wireless	United States	19-Dec-02		Conditional Application Invocation in a Wireless Device
640.US	10/324354		AT&T Wireless	United States	19-Dec-02		Automated Device Behavior Management Based on Network Charging and Rating Conditions
641.US	10/324159		AT&T Wireless	United States	19-Dec-02		Automated Device Behavior Management Based on Preset Preferences
642.US	10/324870		AT&T Wireless	United States	19-Dec-02		Control of Security or Ease-of-Use Sensitivity for a Wireless Communication Device
644.US	10/325408		AT&T Wireless	United States	20-Dec-02		Verification System for Facilitating Transactions via Communication Networks and Associated Method
645.US	10/700301		AT&T Wireless	United States	31-Oct-03		General Purpose Automated Activation and Provisioning Technologies
645P.US	60/423224		AT&T Wireless	United States	01-Nov-02		Self-Activation via Wired Web and Device
646.US	1779371		AT&T Wireless	United States	31-Dec-02		System and Method for Network Data Quality Measurement
649.US	10/445173		AT&T Wireless	United States	23-May-03		Networks and Methods Integrating Digital Mobile Standards
652.US	10/364421		AT&T Wireless	United States	12-Feb-03		Interface for a Multi-Messaging System
653.US	10/346497		AT&T Wireless	United States	16-Jan-03		Autopopulation of Address Book Entries

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
655.PCT	PCT/US03/18449		AT&T Wireless	Patent Cooperation Treaty	10-Jun-03		Location Determining System for Wireless Network and Associated Method (Friend Finder)
655.US	10/324984		AT&T Wireless	United States	20-Dec-02		System for Providing Location-Based Services in a Wireless Network, Such as Locating Individuals and Coordinating Meetings
655.US1	10/325566		AT&T Wireless	United States	20-Dec-02		System for Providing Location-Based Services in a Wireless Network, Such as Modifying Locating Privileges Among Individuals and Managing Lists of Individuals Associated with Such Privileges
655.US2	10/325270		AT&T Wireless	United States	20-Dec-02		Apparatus and Systems for Providing Location-Based Services Within a Wireless Network
655.US3	10/325032		AT&T Wireless	United States	20-Dec-02		Data Structures and Methods for Location-Based Services Within a Wireless Network
655.US4	10/325322		AT&T Wireless	United States	20-Dec-02		Method for Providing Location-Based Services in a Wireless Network, Such as Varying Levels of Services
658.PCT	PCT/US03/35439		AT&T Wireless	Patent Cooperation Treaty	24-Oct-03		Profile Driven Response to Communication Events
658.US	10/281651		AT&T Wireless	United States	28-Oct-02		Profile Driven Response to Communication Events
655.US	10/617437		AT&T Wireless	United States	11-Jul-03		Simplified Wireless Device Pairing
668.PCT	PCT/US03/33513		AT&T Wireless	Patent Cooperation Treaty	23-Oct-03		System and Method for Integrating Local-Area and Wide-Area Wireless Networks

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668.US	321138		AT&T Wireless	United States	20-Dec-02		System and Method for Integrating Local-Area and Wide-Area Wireless Networks
669.PCT	PCT/US03/33593		AT&T Wireless	Patent Cooperation Treaty	23-Oct-03		System and Method for Content Delivery Using Alternate Data Paths in a Wireless Network
669.US	10/324613		AT&T Wireless	United States	20-Dec-02		System and Method for Content Delivery Using Alternate Data Paths in a Wireless Network
670.PCT	PCT/US03/33594		AT&T Wireless	Patent Cooperation Treaty	23-Oct-03		System and Method for Delivering Data Services in Integrated Wireless Networks
670.US	10/324667		AT&T Wireless	United States	20-Dec-02		System and Method for Delivering Data Services in Integrated Wireless Networks
679.US	2428042		AT&T Wireless	United States	02-Jan-03		Improved Delivery of Network Services
680.US	2428773		AT&T Wireless	United States	02-Jan-03		Improved Delivery of Network Services
681.US	2578888		AT&T Wireless	United States	02-Jan-03		Improved Delivery of Network Services
682.US	2574139		AT&T Wireless	United States	02-Jan-03		Improved Delivery of Network Services
685.US	10/410662		AT&T Wireless	United States	07-Apr-03		Improved Delivery of Network Services
686.US	10/410663		AT&T Wireless	United States	07-Apr-03		Improved Delivery of Network Services
690.US	10/612970		AT&T Wireless	United States	07-Jul-03		One Button Access to Network Services from a Remote Control Device
691.US	2006188		AT&T Wireless	United States	15-Sep-03		Automatic Device Configuration to Receive Network Services
691.US.CP1	10/833412		AT&T Wireless	United States	27-Apr-04		Identification of SIM Based Device

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
692.US	1027337		AT&T Wireless	United States	16-Jun-03		Distributed Profile Storage and Management in a Telecommunication Network
693.US	838873		AT&T Wireless	United States	16-Jun-03		Application of Dynamic Profiles to the Allocation and Configuration of Network Resources
696.US	10/609043		AT&T Wireless	United States	27-Jun-03		Device and Method for Improved Text Entry on an Alphanumeric Keypad
700.CA	2283859		AT&T Wireless	Canada	24-Feb-98		Highly Bandwidth-Efficient Communications
700.EPC	98910043.3		AT&T Wireless	European Patent Convention	24-Feb-98		Highly Bandwidth-Efficient Communications
700.JP	10-536984		AT&T Wireless	Japan	24-Feb-98		Highly Bandwidth-Efficient Communications
700.US.C1	08/993721	6359923	AT&T Wireless	United States	18-Dec-97	19-Mar-02	Highly Bandwidth-Efficient Communications
700.US.C1D01	547744		AT&T Wireless	United States	03-Aug-01		Highly Bandwidth-Efficient Communications
							Priority Messaging Method for a Discrete Multitone Spread Spectrum Communications System
700.US.C1D15	197842	6621851	AT&T Wireless	United States	28-Nov-00	16-Sep-03	Method of Polling Second Stations for Functional Quality and Maintenance Data in Discrete Multitone Spread Spectrum Communications System
700.US.C1D16	198207	6480522	AT&T Wireless	United States	28-Nov-00	12-Nov-02	Vertical Adaptive Antenna Array for a Discrete Multitone Spread Spectrum Communications System
701.US.C1(1)	09/128738	6600776	AT&T Wireless	United States	05-Aug-98	29-Jul-03	Vertical Adaptive Antenna Array for a Discrete Multitone Spread Spectrum Communications System
701.US.C1(4)	10/017903	6584144	AT&T Wireless	United States	10-Dec-01	24-Jun-03	Vertical Adaptive Antenna Array for a Discrete Multitone Spread Spectrum Communications System
701.US.C1(5)	10/435304	6782039	AT&T Wireless	United States	08-May-03	24-Aug-04	Vertical Adaptive Antenna Array for a Discrete Multitone Spread Spectrum Communications System

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
							Communications System
701.US.C1(6)	mailed		AT&T Wireless	United States	20-Jul-04		Vertical Adaptive Antenna Array for a Discrete Multitone Spread Spectrum Communications System
702.CA	2278852	2278852	AT&T Wireless	Canada	03-Feb-98	09-Apr-02	Method for Frequency Division Duplex Communications
702.EPC	98908475.1		AT&T Wireless	European Patent Convention	03-Feb-98		Method for Frequency Division Duplex Communications
702.JP	10-534899		AT&T Wireless	Japan	03-Feb-98		Method for Frequency Division Duplex Communications
702.MX	997160	209442	AT&T Wireless	Mexico	03-Feb-98	02-Aug-02	Method for Frequency Division Duplex Communications
702.US	08/796584	5933421	AT&T Wireless	United States	06-Feb-97	03-Aug-99	Method for Frequency Division Duplex Communications
702.US.C1	09/294174	6560209	AT&T Wireless	United States	19-Apr-99	06-May-03	Method for Frequency Division Duplex Communications
702.US.C1(1)	10/383976		AT&T Wireless	United States	07-Mar-03		Method for Frequency Division Duplex Communications
703.US	08/796586	6085114	AT&T Wireless	United States	06-Feb-97	04-Jul-00	Remote Wireless Unit Having Reduced Power Operating Mode
703.US.D1	09/222895	6047200	AT&T Wireless	United States	30-Dec-98	04-Apr-00	Remote Wireless Unit Having Reduced Power Operating Mode
704.CA	2281818	2281818	AT&T Wireless	Canada	24-Feb-98	01-Apr-03	Out of Channel Cyclic Redundancy Code Method for a Discrete Multitone Spread Spectrum Communications System
704.EPC	98911401.2		AT&T Wireless	European Patent Convention	24-Feb-98		Out of Channel Cyclic Redundancy Code Method for a Discrete Multitone Spread Spectrum Communications System

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
704.MX	997730	209008	AT&T Wireless	Mexico	24-Feb-98	17-Jul-02	Out of Channel Cyclic Redundancy Code Method for a Discrete Multitone Spread Spectrum Communications System
705.US	08/803833	5896425	AT&T Wireless	United States	24-Feb-97	20-Apr-99	Non-Uniformly Spaced Tones for Synchronization Waveform
707.US	08/806508	5864543	AT&T Wireless	United States	24-Feb-97	26-Jan-99	Transmit/Receive Compensation
707.US.C1	09/095748	6175555	AT&T Wireless	United States	11-Jun-98	16-Jan-01	Transmit/Receive Compensation
708.US	08/804615	5872814	AT&T Wireless	United States	24-Feb-97	16-Feb-99	Method for Linearization of RF Transmission Electronics Using Baseband Pre-Distortion in T/R Compensation Pilot Signals
709.US	08/806507	6002664	AT&T Wireless	United States	24-Feb-97	14-Dec-99	Method for Gaining Access to a Shared Medium Which Improves Over the Slotted Aloha Scheme
710.US	08/804614	5889814	AT&T Wireless	United States	24-Feb-97	30-Mar-99	Transmit/Receive Compensation for a Dual FDD/TDD Architecture
711.US	08/803832	5909641	AT&T Wireless	United States	24-Feb-97	01-Jun-99	Transmit/Receive Switch Adaptive Weight Update
713.US	08/804616	5923700	AT&T Wireless	United States	24-Feb-97	13-Jul-99	Method and System for a Discrete Multitone Spread Spectrum Communications System
713.US.C1	09/999048		AT&T Wireless	United States	15-Nov-01		Adaptive Weight Update Method and System for a Discrete Multitone Spread Spectrum Communications System
713.US.C2	09/299079	6160839	AT&T Wireless	United States	26-Apr-99	12-Dec-00	Adaptive Weight Update Method for a Discrete Multitone Spread Spectrum Communications System

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713.US.C2C1	09/699361	6408016	AT&T Wireless	United States	31-Oct-00	18-Jun-02	Adaptive Weight Update Method and System for a Discrete Multitone Spread Spectrum Communications System
715.US	-645995	5884300	AT&T Wireless	United States	01-May-97	16-Mar-99	Inventory Pipeline Management System
717.CA	2262358	2262358	AT&T Wireless	Canada	23-Feb-99	31-Dec-02	FDD Forward Link Beamforming Method for a FDD Communications System
717.EPC	99301378.8	940934	AT&T Wireless	European Patent Convention	25-Feb-99	04-Aug-04	FDD Forward Link Beamforming Method for a FDD Communications System
717.US	09/035286	6134261	AT&T Wireless	United States	05-Mar-98	17-Oct-00	FDD Forward Link Beamforming Method for a FDD Communications System
720.CA	2255464	2255464	AT&T Wireless	Canada	10-Dec-98	06-Aug-02	Near-Optimal Low-Complexity Decoding of Space-Time Codes for Fixed Wireless Applications
720.DE	69823326.3-08	98124231.6	AT&T Wireless	Germany	17-Dec-98		Near-Optimal Low-Complexity Decoding of Space-Time Codes for Fixed Wireless Applications
720.EPC	98124231.6	938194	AT&T Wireless	European Patent Convention	17-Dec-98	21-Apr-04	Near-Optimal Low-Complexity Decoding of Space-Time Codes for Fixed Wireless Applications
720.EPC.D1	4009318.9		AT&T Wireless	European Patent Convention	17-Dec-98		Near-Optimal Low-Complexity Decoding of Space-Time Codes for Fixed Wireless Applications
720.FR	98124231.6		AT&T Wireless	France	17-Dec-98		Near-Optimal Low-Complexity Decoding of Space-Time Codes for Fixed Wireless Applications

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720.GB	98124231.6		AT&T Wireless	Great Britain	17-Dec-98		Near-Optimal Low-Complexity Decoding of Space-Time Codes for Fixed Wireless Applications
720.MX	9810841		AT&T Wireless	Mexico	16-Dec-98		Near-Optimal Low-Complexity Decoding of Space-Time Codes for Fixed Wireless Applications
720.US	-610075	6188736	AT&T Wireless	United States	21-Apr-98	13-Feb-01	Near-Optimal Low-Complexity Decoding of Space-Time Codes for Fixed Wireless Applications
720.US.C1	09/690542	6470043	AT&T Wireless	United States	17-Oct-00	22-Oct-02	Near-Optimal Low-Complexity Decoding of Space-Time Codes for Fixed Wireless Applications
720.US.C1(1)	10/234407	6741635	AT&T Wireless	United States	03-Sep-02	25-May-04	Near-Optimal Low-Complexity Decoding of Space-Time Codes for Fixed Wireless Applications
720.US.C1(2)	10/838553		AT&T Wireless	United States	04-May-04		Near-Optimal Low-Complexity Decoding of Space-Time Codes for Fixed Wireless Applications
721.CA	2303388		AT&T Wireless	Canada	31-Aug-98		Transmitter Diversity Technique for Wireless Communications
721.CA.D1	2405875		AT&T Wireless	Canada	31-Aug-98		Transmitter Diversity Technique for Wireless Communications
721.CL	1060-2003		AT&T Wireless	Chile	27-May-03		Transmitter Diversity Technique for Wireless Communications
721.DE1	29824763.1	29824763.1	AT&T Wireless	Germany	31-Aug-98	13-Jun-02	Sender for Wireless Communications
721.DE2	29824760.7	29824760.7	AT&T Wireless	Germany	31-Aug-98	13-Jun-02	Receiver for Wireless Communications

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721.DE3	29824761.5	29824761.5	AT&T Wireless	Germany	31-Aug-98	13-Jun-02	System for Wireless Communications
721.DE4	29824765.8	29824765.8	AT&T Wireless	Germany	31-Aug-98	13-Jun-02	Electronic Circuit for a Receiver for Wireless Communications
721.DE5	29824762.3	29824762.3	AT&T Wireless	Germany	31-Aug-98	13-Jun-02	Electronic Circuit for a Sender for Wireless Communications
721.DE6	69815869.5	1016228	AT&T Wireless	Germany	31-Aug-98	25-Jun-03	Transmitter Diversity Technique for Wireless Communications
721.EPC	98944605.9	1016228	AT&T Wireless	European Patent Convention	31-Aug-98	25-Jun-03	Transmitter Diversity Technique for Wireless Communications
721.EPC:D1	3010810.4		AT&T Wireless	European Patent Convention	31-Aug-98		Transmitter Diversity Technique for Wireless Communications
721.FR	98944605.9	1016228	AT&T Wireless	France	31-Aug-98	25-Jun-03	Transmitter Diversity Technique for Wireless Communications
721.GB	98944605.9	1016228	AT&T Wireless	Great Britain	31-Aug-98	25-Jun-03	Transmitter Diversity Technique for Wireless Communications
721.GE	880968	PI3127	AT&T Wireless	Georgia	10-Jul-03	10-Dec-03	Transmitter Diversity Technique for Wireless Communications
721.HK	4101312.5		AT&T Wireless	Hong Kong	24-Feb-04		Transmitter Diversity Technique for Wireless Communications
721.MX	2573		AT&T Wireless	Mexico	31-Aug-98		Transmitter Diversity Technique for Wireless Communications
721.US	2479512	6185258	AT&T Wireless	United States	07-May-98	06-Feb-01	Transmitter Diversity Technique for Wireless Communications
721.US:C1	2686604	6775329	AT&T Wireless	United States	05-Dec-00	10-Aug-04	Transmitter Diversity Technique for Wireless Communications
721.US:C1(1)	101873567		AT&T Wireless	United States	22-Jun-04		Transmitter Diversity Technique for Wireless Communications
722.US	2022958	6553237	AT&T Wireless	United States	02-Dec-98	22-Apr-03	Method and Apparatus for Remote Unit Passivation

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723.US	2023689		AT&T Wireless	United States	02-Dec-98		Method for Synchronous Encryption Over a Communication Medium
729.US	09/557672		AT&T Wireless	United States	25-Apr-00		Method for Estimating Changes in Product Life for a Redesigned Product
731.CA	2276207	2276207	AT&T Wireless	Canada	16-Oct-98	18-Feb-03	Low Complexity Maximum Likelihood Detection of Concatenated Space Codes for Wireless Applications
731.CA.D1	2411286		AT&T Wireless	Canada	16-Oct-98		Low Complexity Maximum Likelihood Detection of Concatenated Space Codes for Wireless Applications
731.EPC	98953654.5		AT&T Wireless	European Patent Convention	16-Oct-98		Low Complexity Maximum Likelihood Detection of Concatenated Space Codes for Wireless Applications
731.JP	45962		AT&T Wireless	Japan	16-Oct-98		Low Complexity Maximum Likelihood Detection of Concatenated Space Codes for Wireless Applications
731.JP.D1	2003-298814		AT&T Wireless	Japan	14-Aug-03		Low Complexity Maximum Likelihood Detection of Concatenated Space Codes for Wireless Applications
731.MX	996086	216468	AT&T Wireless	Mexico	16-Oct-98	19-Sep-03	Low Complexity Maximum Likelihood Detection of Concatenated Space Codes for Wireless Applications
731.MX.D1	PA/a/2003/003469		AT&T Wireless	Mexico	21-Apr-03		Low Complexity Maximum Likelihood Detection of Concatenated Space Codes for Wireless Applications
731.US	09/167422	6501803	AT&T Wireless	United States	06-Oct-98	31-Dec-02	Low Complexity Maximum Likelihood Detection of Concatenated Space

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							Codes for Wireless Applications
							Low Complexity Maximum Likelihood Detection of Concatenated Space Codes for Wireless Applications
731.US.D1	1167225		AT&T Wireless	United States	03-Dec-01		Low Complexity Maximum Likelihood Detection of Concatenated Space Codes for Wireless Applications
731.US.D1C1	1739925		AT&T Wireless	United States	30-Dec-02		Method for Combining Communication Beams in a Wireless Communication System
732.US	09/303266	6377783	AT&T Wireless	United States	30-Apr-99	23-Apr-02	Method for Combining Communication Beams in a Wireless Communication System
732.US.C1	10/046243		AT&T Wireless	United States	16-Jan-02		Method for Location-Based Asset Management
733.US	-544696		AT&T Wireless	United States	04-Jun-99		Method for Location-Based Asset Management
733.US.C1	mailed		AT&T Wireless	United States	14-Sep-04		Method and Apparatus for Vibration and Temperature Isolation
734.US	09/311820	6491528	AT&T Wireless	United States	13-May-99	10-Dec-02	Maximum Ratio Transmission
735.US	09/156066	6459740	AT&T Wireless	United States	17-Sep-98	01-Oct-02	Maximum Ratio Transmission
735.US.C1	10/177461		AT&T Wireless	United States	19-Jun-02		Method for Error Compensation in an OFDM System With Diversity
736.US	09/321457	6442222	AT&T Wireless	United States	27-May-99	27-Aug-02	Method for Error Compensation in an OFDM System With Diversity
736.US.C1	10/176643		AT&T Wireless	United States	24-Jun-02		Method for Error Compensation in an OFDM System With Diversity
736.US.C1(1)	-642186		AT&T Wireless	United States	21-May-04		Method for Error Compensation in an OFDM System With Diversity
737.US	09/535365		AT&T Wireless	United States	24-Mar-00		Method for Error Compensation in an OFDM System With Diversity
738.AR	102506		AT&T Wireless	Argentina	23-May-00		Method for Improving Efficiency in a Time

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							Sharing Network
738.BR	75120		AT&T Wireless	Brazil	18-May-00		Method for Improving Efficiency in a Time Sharing Network
738.CA	2308963	2308963	AT&T Wireless	Canada	18-May-00	09-Dec-03	Method for Improving Efficiency in a Time Sharing Network
738.EPC	110197.1		AT&T Wireless	European Patent Convention	16-May-00		Method for Improving Efficiency in a Time Sharing Network
738.MX	5014		AT&T Wireless	Mexico	24-May-00		Method for Improving Efficiency in a Time Sharing Network
738.US	09/546794		AT&T Wireless	United States	11-Apr-00		Method for Improving Efficiency in a Time Sharing Network
744.US	-248485	6363127	AT&T Wireless	United States	09-Jun-00	26-Mar-02	Automatic Gain Control Methods and Apparatus Suitable for Use in OFDM Receivers
744.US.C1	10/051714	6574292	AT&T Wireless	United States	17-Jan-02	03-Jun-03	Automatic Gain Control Methods and Apparatus Suitable for Use in OFDM Receivers
744.US.C1(1)	10/414576		AT&T Wireless	United States	14-Apr-03		Automatic Gain Control Methods and Apparatus Suitable for Use in OFDM Receivers
745.EPC	1964443.4		AT&T Wireless	European Patent Convention	25-Mar-03		Methods and Apparatus for Use in Reducing Residual Phase Error in OFDM Communication Signals
745.PCT	PCT/US01/26621		AT&T Wireless	Patent Cooperation Treaty	24-Aug-01		Methods and Apparatus for Use in Reducing Residual Phase Error in OFDM Communication Signals
745.US	09/670286		AT&T Wireless	United States	25-Sep-00		Methods and Apparatus for Use in Reducing Residual Phase Error in OFDM Communication Signals
747.AR	10100520		AT&T Wireless	Argentina	05-Feb-01		Detection of Cross-Connection Between a

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747.US	09/502655		AT&T Wireless	United States	11-Feb-00		Wireless Loop Network and Another Loop Network at a Subscriber's Premises
748.AR1	103102		AT&T Wireless	Argentina	21-Jun-00		Detection of Cross-Connection Between a Wireless Loop Network and Another Loop Network at a Subscriber's Premises
748.AR2	103106		AT&T Wireless	Argentina	21-Jun-00		Apparatus and Method for Synchronization in a Multiple-Carrier Communication System by Observing a Plurality of Synchronization Indicators
748.AR3	103105		AT&T Wireless	Argentina	21-Jun-00		Apparatus and Method for Synchronization in a Multiple-Carrier Communication System by Observing Energy Within a Guard Band
748.US1	544822		AT&T Wireless	United States	14-Jun-00		System and Method for Synchronization in a Multiple Carrier Communication System by Observing a Phase-Frequency Relationship of a Plurality of Pilot Signals
748.US2	630289	6389087	AT&T Wireless	United States	14-Jun-00	14-May-02	Apparatus and Method for Synchronization in a Multiple-Carrier Communication System by Observing a Plurality of Synchronization Indicators
748.US3	666082		AT&T Wireless	United States	14-Jun-00		Apparatus and Method for Synchronization in a Multiple-Carrier Communication System by Observing Energy Within a Guard Band

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							Observing a Phase-Frequency Relationship of a Plurality of Pilot Signals
749.AR	103104		AT&T Wireless	Argentina	21-Jun-00		Methods and Apparatus for Use in Obtaining Frequency Synchronization in an OFDM Communication System
749.PCT	PCT/US00/40232		AT&T Wireless	Patent Cooperation Treaty	15-Jun-00		Methods and Apparatus for Use in Obtaining Frequency Synchronization in an OFDM Communication System
749.US	1155142	6768714	AT&T Wireless	United States	14-Jun-00	27-Jul-04	Methods and Apparatus for Use in Obtaining Frequency Synchronization in an OFDM Communication System
750.US	1156603	6700866	AT&T Wireless	United States	14-Jun-00	02-Mar-04	Methods and Apparatus for Use in Obtaining Frame Synchronization in an OFDM Communication System
751.PCT	PCT/US01/15891		AT&T Wireless	Patent Cooperation Treaty	16-May-01		Methods and Apparatus for Use in Obtaining Frame Synchronization in an OFDM Communication System
751.US	452050		AT&T Wireless	United States	13-Jun-00		Method and Apparatus for Use in Reducing Traffic Over a Communication Link Used by a Computer Network
752.AR1	103100		AT&T Wireless	Argentina	21-Jun-00		Reverse Tunneling Methods and Apparatus for Use With Private Computer Networks
752.PCT2	PCT/US00/16432		AT&T Wireless	Patent Cooperation Treaty	14-Jun-00		Methods and Apparatus for Use in Reducing Traffic
752.US1.D1	10/120710		AT&T Wireless	United States	11-Apr-02		Methods and Apparatus for Use in Reducing Traffic

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							Over a Communication Link Used by a Computer Network
754.AR	103103		AT&T Wireless	Argentina	21-Jun-00		Methods and Apparatus for Use In Communicating Voice and High Speed Data in a Wireless Communication System
754.PCT	PCT/US00/16700		AT&T Wireless	Patent Cooperation Treaty	15-Jun-00		Method and Apparatus for Use In Communicating Voice and High Speed Data in a Wireless Communication System
754.US	1002105		AT&T Wireless	United States	14-Jun-00		Methods and Apparatus for Use In Communicating Voice and High Speed Data in a Wireless Communication System
755.AR	103064		AT&T Wireless	Argentina	20-Jun-00		System and Method for Data Scrambling to Reduce the Crest Factor in an OFDM Waveform
755.EPC	938236.7		AT&T Wireless	European Patent Convention	09-Jun-00		System and Method for Data Scrambling to Reduce the Crest Factor in an OFDM Waveform
755.PCT	PCT/US00/15836		AT&T Wireless	Patent Cooperation Treaty	09-Jun-00		System and Method for Data Scrambling to Reduce the Crest Factor in an OFDM Waveform
755.US	-627971	6785258	AT&T Wireless	United States	08-Jun-00	31-Aug-04	System and Method for Data Scrambling to Reduce the Crest Factor in an OFDM Waveform
755.US1	mailed		AT&T Wireless	United States	30-Aug-04		System and Method for Data Scrambling to Reduce the Crest Factor in an OFDM Waveform
758.AR	102967		AT&T Wireless	Argentina	15-Jun-00		Design for Scalable Network Management Systems
760.TW	89112312	163403	AT&T Wireless	Taiwan	22-Jun-00	06-Feb-03	System and Method for Checking Service Availability

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760.US	09/572144	6445912	AT&T Wireless	United States	17-May-00	03-Sep-02	System and Method for Checking Service Availability
761.US	09/511168		AT&T Wireless	United States	24-Feb-00		Intelligent Presentation Network Management Systems
765.BR	0005942-0		AT&T Wireless	Brazil	20-Dec-00		Session Subscription System and Method for Same
765.CA	2326572		AT&T Wireless	Canada	16-Nov-00		Session Subscription System and Method for Same
765.EPC	311492.3		AT&T Wireless	European Patent Convention	20-Dec-00		Session Subscription System and Method for Same
765.MX	12896		AT&T Wireless	Mexico	20-Dec-00		Session Subscription System and Method for Same
765.US	09/474839		AT&T Wireless	United States	30-Dec-99		Session Subscription System and Method for Same
768.AR	106901		AT&T Wireless	Argentina	22-Dec-00		Subscription-Based Billing Methods and Systems for Shared Network Modem Pools
768.BR	0006220-0		AT&T Wireless	Brazil	21-Dec-00		Subscription-Based Billing Methods and Systems for Shared Network Modem Pools
768.EPC	309465.3		AT&T Wireless	European Patent Convention	27-Oct-00		Subscription-Based Billing Methods and Systems for Shared Network Modem Pools
768.MX	12898		AT&T Wireless	Mexico	20-Dec-00		Subscription-Based Billing Methods and Systems for Shared Network Modem Pools
768.US	09/665780		AT&T Wireless	United States	20-Sep-00		Subscription-Based Billing Methods and Systems for Shared Network Modem Pools
769.US	10/028573		AT&T Wireless	United States	19-Dec-01		Synchronization of Encryption in a Wireless Communication System

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770.US	09/694943	6697983	AT&T Wireless	United States	24-Oct-00	24-Feb-04	Data Link Layer Tunneling Technique for High Speed Data in a Noisy Wireless Environment
770.US.C1	10/767246		AT&T Wireless	United States	28-Jan-04		Data Link Layer Tunneling Technique for High Speed Data in a Noisy Wireless Environment
772.US1	09/745216	6765869	AT&T Wireless	United States	21-Dec-00	20-Jul-04	Medium Access Dynamic Congestion Control Mechanism for Wireless Data
772.US2	09/745219	6765870	AT&T Wireless	United States	21-Dec-00	20-Jul-04	Medium Access Dynamic Congestion Control Mechanism for Wireless Data
775.EPC	311028.5		AT&T Wireless	European Patent Convention	11-Dec-00		Collision-Free Multiple Access Reservation Scheme for Multi-Tone Modulation Links
775.US	09/618653		AT&T Wireless	United States	18-Jul-00		Collision-Free Multiple Access Reservation Scheme for Multi-Tone Modulation Links
778.US	228522		AT&T Wireless	United States	28-Nov-00		Method and Apparatus for Efficient Sharing of Communication System Resources
778.US.C1	mailed		AT&T Wireless	United States	19-Aug-04		Method and Apparatus for Efficient Sharing of Communication System Resources
779.AR	10100580		AT&T Wireless	Argentina Patent Cooperation Treaty	08-Feb-01		A Real-Time System for Measuring the Ricean K-Factor
779.PCT	PCT/US01/03854		AT&T Wireless		07-Feb-01		A Real-Time System for Measuring the Ricean K-Factor
781.US	10/036315		AT&T Wireless	United States	26-Dec-01		System and Method for Providing Service Provider Choice Over a High-Speed Data Connection
782.AR	10103358		AT&T Wireless	Argentina	13-Jul-01		Adaptive Dual-Polarization

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							Communication of Orthogonal Frequency Division Multiplexed Signal
782.PCT	PCT/US01/18993		AT&T Wireless	Patent Cooperation Treaty	13-Jun-01		Multicarrier Transmission Using Polarized Antennae
782.US1	09/616128		AT&T Wireless	United States	14-Jul-00		Adaptive Dual-Polarization Communication of Orthogonal Frequency Division Multiplexed Signals
784.US	2665785		AT&T Wireless	United States	28-Feb-01		Transmit Power Control for an OFDM-Based Wireless Communication System
786.US	09/879350		AT&T Wireless	United States	12-Jun-01		Method for Shared Network Modem Dialup Intranet Access Over a Wireless Network Using PPPoE
787.US	09/874570		AT&T Wireless	United States	05-Jun-01		Method of Determining RF Coverage Area in a Point-to-Multipoint Transmission System
789.AR	10102824		AT&T Wireless	Argentina	13-Jun-01		Method for Providing Transparent Public Addressed Networks Within Private Networks
789.MY	PI20012764		AT&T Wireless	Malaysia	13-Jun-01		Method for Providing Transparent Public Addressed Networks Within Private Networks
789.TW	90113964		AT&T Wireless	Taiwan	18-Oct-01		Method for Providing Transparent Public Addressed Networks Within Private Networks
789.US	722695		AT&T Wireless	United States	28-Nov-00		Method for Providing Transparent Public Addressed Networks Within Private Networks
792.US	09/900779		AT&T Wireless	United States	06-Jul-01		Method for Estimating Changes in Product Life Resulting From HALT Using Exponential

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							Acceleration Model
793.US	09/900777		AT&T Wireless	United States	06-Jul-01		Method for Estimating Changes in Product Life Resulting From HALT Using Quadratic Acceleration Model
794.US	09/878555		AT&T Wireless	United States	11-Jun-01		Turbo Channel Estimation for OFDM Systems
798.US	10/627192		AT&T Wireless	United States	24-Jul-03		System and Method of Assigning Priority to Remote Units in a Collision Free Multiple Access Protocol
798P.US	60/399042		AT&T Wireless	United States	25-Jul-02		System and Method of Assigning Priority to Remote Units in a Collision Free Multiple Access Protocol
802.EPC	mailed		AT&T Wireless	European Patent Convention	19-May-04		Method for Synchronization of Received Signals
802.US	4628		AT&T Wireless	United States	22-Oct-01		Time Synchronization Method for Method OFDM Signal
816.PCT	PCT/US03/08721		AT&T Wireless	Patent Cooperation Treaty	21-Mar-03		A Real-Time Rate Control Mechanism for Multi-Rate Data Transmissions in Wireless Networks
816.US	10/116160		AT&T Wireless	United States	05-Apr-02		A Real-Time Rate Control Mechanism for Multi-Rate Data Transmissions in Wireless Networks
817.US	-374098		AT&T Wireless	United States	24-Apr-02		System and Method for Channel Assignment With Adaptive Modulation in Wireless Communications
819.PCT	PCT/US02/13758		AT&T Wireless	Patent Cooperation Treaty	30-Apr-02		Multi-Service Network Interface Apparatus for Frequency-Division Multiplexed Communications Systems

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819.US.D1	09/879358	6687374	AT&T Wireless	United States	12-Jun-01	03-Feb-04	Multi-Service Network Interface Apparatus for Frequency-Division Multiplexed Communications Systems
852.US	09/578031	6707894	AT&T Wireless	United States	24-May-00	16-Mar-04	Prepaid Calling Time Processing: A Method and Apparatus for Processing Pre-Paid Calling Time in a Telephone Communication System
852.US.C1	10/751672		AT&T Wireless	United States	05-Jan-04		Prepaid Calling Time Processing: A Method and Apparatus for Processing Pre-Paid Calling Time in a Telephone Communication System
853.US	10/615892		AT&T Wireless	United States	07-Jul-03		Network Protocol Converter
854.US	1964915		AT&T Wireless	United States	15-Sep-03		Integration of Wireless and External Computing Devices
856.US	10/773555		AT&T Wireless	United States	05-Feb-04		HTTP-Based Application Fingerprinting by HTTP Proxy
857.US	1971125		AT&T Wireless	United States	15-Sep-03		Terminal Device IP Address Authentication
862.US	10/685616		AT&T Wireless	United States	14-Oct-03		Location Announcement for Mobile Devices
863P.US	60/520073		AT&T Wireless	United States	15-Nov-03		Method, System and Apparatus for Providing Wireless Identification to Standard Telephone
874.US	10/685614		AT&T Wireless	United States	14-Oct-03		Providing Location Information for Wireless Devices Using Name Service
879P.US	60/543952		AT&T Wireless	United States	11-Feb-04		Distributed Handling of Information Directed to a Wireless Device
880.US	10/776507		AT&T Wireless	United States	12-Feb-04		Method and Apparatus for Providing Quality of Service Through Multiple

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							Carrier IP Networks
883P.US	60/557153		AT&T Wireless	United States	25-Mar-04		System and Method for Planning and Operating a Telecommunications Network
886.US	mailed		AT&T Wireless	United States	24-Sep-04		Terminal-Based Server for Location Tracking
887.US	10/821608		AT&T Wireless	United States	09-Apr-04		Sharing Content on Mobile Devices
888.US	mailed		AT&T Wireless	United States	20-May-04		System and Method for Voice Recognition Using User Location Information
889.US	10/822187		AT&T Wireless	United States	09-Apr-04		Spam Control for Share Page in Wireless World
894.US	10/763862		AT&T Wireless	United States	22-Jan-04		Identifying A Device to a Network
895P.US	60/562785		AT&T Wireless	United States	15-Apr-04		System for Providing Location-Based Services in a Wireless Network, Such as Locating Sets of Desired Locations
896P.US	60/519947		AT&T Wireless	United States	14-Nov-03		Personal Base Station with Wireless Video Capability
897.US	10/821325		AT&T Wireless	United States	09-Apr-04		Managing Differences in User Devices When Sharing Content on Mobile Devices
906.US	10/867957		AT&T Wireless	United States	14-Jun-04		Call Handling Scheme to Reduce Roaming Charges
906P.US	60/539780		AT&T Wireless	United States	27-Jan-04		Call Handling Scheme to Reduce Roaming Charges
908.US	mailed		AT&T Wireless	United States	13-Sep-04		Method and System for Controlling the Operation of Movable Wireless Networks
908P.US	60/549920		AT&T Wireless	United States	05-Mar-04		Method and System for Controlling the Operation of Movable Wireless Networks
915.US	10/881672		AT&T Wireless	United States	30-Jun-04		Customized Signature Message Service

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
921P.US	mailed		AT&T Wireless	United States	19-Aug-04		Testing for Mobile Device Locator Systems, Such as for E911 Phase II
922.US	mailed		AT&T Wireless	United States	13-Aug-04		Wireless Device Service Activation from a Wireless Device
925.US	mailed		AT&T Wireless	United States	14-Sep-04		Selection of Bearer Mode According to Message Characteristics
926.US	mailed		AT&T Wireless	United States	14-Sep-04		Maintaining Instant Message Session Status in Dynamic Operating Environments
927P.US	60/588307		AT&T Wireless	United States	15-Jul-04		Using Emoticons, Such as for Wireless Devices
928P.US	60/588110		AT&T Wireless	United States	15-Jul-04		Help Buddy for Instant Messaging on a Wireless Device
929.US	mailed		AT&T Wireless	United States	03-Sep-04		System and Method for Data Organization and Display in an Instant-Messaging Interface
930.US	mailed		AT&T Wireless	United States	14-Sep-04		Dedicated Wireless Device Business Method
930P.US	60/590185		AT&T Wireless	United States	21-Jul-04		Business Model
931.US	mailed		AT&T Wireless	United States	10-Sep-04		Always On Mobile IM / Messaging Centric Wireless Device
931P.US	60/590229		AT&T Wireless	United States	21-Jul-04		Always On Mobile IM / Messaging Centric Wireless Device
936.US	mailed		AT&T Wireless/IXI Mobile	United States	20-Sep-04		Mobile Communications Device
237.CA	2231255		AT&T Wireless/Atmel Corp.	Canada	30-Aug-96		Wireless Communication System Having Mobile Stations Establish a Communication Link Through the Base Station

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
237.CA.D1	2321957		AT&T Wireless/Atmel Corp.	Canada	30-Aug-96		Wireless Communication System
237.EPC	96946386.8		AT&T Wireless/Atmel Corp.	European Patent Convention	30-Aug-96		Wireless Communication System
237.JP	354166		AT&T Wireless/Atmel Corp.	Japan	30-Aug-96		Wireless Communication System
237.MX	981827	202428	AT&T Wireless/Atmel Corp.	Mexico	30-Aug-96	15-Jun-01	Wireless Communication System
237.US	44345	5911120	AT&T Wireless/Atmel Corp.	United States	08-Sep-95	08-Jun-99	Wireless Communication System
237.US.D1	09/185859	6735432	AT&T Wireless/Atmel Corp.	United States	04-Nov-98	11-May-04	Cordless Cellular System
238.CA	2231370	2231370	AT&T Wireless/Atmel Corp.	Canada	30-Aug-96	30-Jul-02	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds
238.DE	96940621.4	69618604.7	AT&T Wireless/Atmel Corp.	Germany	30-Aug-96	16-Jan-02	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds (PBS #3)
238.EPC	96940621.4	848888	AT&T Wireless/Atmel Corp.	European Patent Convention	30-Aug-96	16-Jan-02	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds
238.FR	96940621.4	848888	AT&T Wireless/Atmel Corp.	France	30-Aug-96	16-Jan-02	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds (PBS #3)

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
238.GB	96940621.4	848888	AT&T Wireless/Airnet Corp.	Great Britain	30-Aug-96	16-Jan-02	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds (PBS #3)
238.JP	9-511293		AT&T Wireless/Airnet Corp.	Japan	30-Aug-96		A Mobile Telecommunicating Device and Method of Operation
238.MX	981819	202427	AT&T Wireless/Airnet Corp.	Mexico	30-Aug-96	15-Jun-01	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds
238.US	-58590	5732360	AT&T Wireless/Airnet Corp.	United States	08-Sep-95	24-Mar-98	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds (PBS #3)
546.EPC	3739732		AT&T Wireless/Airnet Corp.	European Patent Convention	11-Feb-03		Centralized Communications Network Charging Methods and Apparatus
546.PCT	PCT/US03/04036		AT&T Wireless/Airnet Corp.	Patent Cooperation Treaty	11-Feb-03		Centralized Communications Network Charging Methods and Apparatus
546.US	10/365116		AT&T Wireless/Airnet Corp.	United States	11-Feb-03		Centralized Communications Network Charging Method and Apparatus
546P1.US	60/356579		AT&T Wireless/Airnet Corp.	United States	11-Feb-02		Telecommunications Network Centralized Charging System Topology
546P2.US	60/356578		AT&T Wireless/Airnet Corp.	United States	11-Feb-02		Payment Methods and Apparatus
456.US	09/406278		AT&T Wireless/Airnet Corp.	United States	24-Sep-99		Method for Implementing Service Logic Via Database Table Transversals

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
468.US	09/228646	6311053	AT&T/AT&T Wireless	United States	12-Jan-99	30-Oct-01	Calling Party Paid Wireless Telecommunication System
509.CN	1818413.8		AT&T/AT&T Wireless	China P.R.	06-Nov-01		Method and Apparatus for Network-Assisted Automatic Confirmation of Short Message Service Delivery
509.EPC	1990011.7		AT&T/AT&T Wireless	European Patent Convention	06-Nov-01		Method and Apparatus for Network-Assisted Automatic Confirmation of Short Message Service Delivery
509.PCT	PCT/US01/47231		AT&T/AT&T Wireless	Patent Cooperation Treaty	06-Nov-01		Method and Apparatus for Network-Assisted Automatic Confirmation of Short Message Service Delivery
509.US2	10/011554		AT&T/AT&T Wireless	United States	06-Nov-01		Method and Apparatus for Network-Assisted Automatic Confirmation of Short Message Service Delivery
524.EPC	1100127.8		AT&T/AT&T Wireless	European Patent Convention	12-Jan-01		Wireless Internet Call Waiting Service
547.US	09/734157		AT&T/AT&T Wireless	United States	11-Dec-00		Methods and Apparatus for Wireless Auto-Conferencing
547.US.C1	09/945868		AT&T/AT&T Wireless	United States	04-Sep-01		Methods and Apparatus for Wireless Auto-Conferencing
558.EPC	1112965.7		AT&T/AT&T Wireless	European Patent Convention	07-Jun-01		TDMA Communication System Having Enhanced Power Control
558.US	-522416	6754506	AT&T/AT&T Wireless	United States	16-Feb-01	22-Jun-04	TDMA Communication System Having Enhanced Power Control
567.US	-615919		AT&T/AT&T Wireless	United States	07-May-01		Method and System for Signaling Presence of Users in a Multi-Networked Environment
572.EPC	1112956.6		AT&T/AT&T Wireless	European Patent Convention	06-Jun-01		Method and Apparatus for Sharing Wireless Content

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
572.US	09/801635		AT&T/ Wireless	United States	09-Mar-01		Method and Apparatus for Sharing Wireless Content
629.CA	2411899		AT&T/ Wireless	Canada	15-Nov-02		Progressive Reuse Partitioning for Improved Interference Rejection in Wireless Packet Networks
629.US	1035707		AT&T/ Wireless	United States	15-Nov-01		Progressive Reuse Partitioning for Improved Interference Rejection in Wireless Packet Networks
727.US	09/148316	6404753	AT&T/ Wireless	United States	04-Sep-98	11-Jun-02	Method and Apparatus for Controlling Access to a Communication Channel
741.PCT	PCT/US01/28658		AT&T/ Wireless	Patent Cooperation Treaty	14-Sep-01		Apparatus, System and Method for Validating Integrity of Transmitted Data
741.US	2670533		AT&T/ Wireless	United States	18-Sep-00		Apparatus, System and Method for Validating Integrity of Transmitted Data
742.US	09/783843		AT&T/ Wireless	United States	15-Feb-01		Apparatus, System and Method for Detecting a Loss of Key Stream Synchronization in a Communication System
743.EPC	2731814.6		AT&T/ Wireless	European Patent Convention	15-May-02		Apparatus, System and Method for Validating Integrity of Transmitted Data
743.PCT	PCT/US02/15451		AT&T/ Wireless	Patent Cooperation Treaty	15-May-02		Apparatus, System and Method for Validating Integrity of Transmitted Data
743.US	09/879575		AT&T/ Wireless	United States	12-Jun-01		Apparatus, System and Method for Validating Integrity of Transmitted Data
186.US	29/021670	D363066	Claircom Communications	United States	21-Apr-94	10-Oct-95	Airline Telephone Handset With Digital Passenger Control Functions and Video Game Controls

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
186.US.CP1	29/021800	D366482	Claircom Communications	United States	25-Apr-94	23-Jan-96	Airline Telephone Handset With Digital Passenger Control Functions and Video Game Controls
186.US.D1	29/040119	D370910	Claircom Communications	United States	19-Jun-95	18-Jun-96	Airline Telephone Handset With Digital Passenger Control Functions and Video Game Controls
187.US	08/482288	5652792	Claircom Communications	United States	07-Jun-95	29-Jul-97	Telephone Handset and Cradle
188.AT	3256/95	18022	Claircom Communications	Austria	08-Sep-95	20-Oct-95	Telephone Handset
188.CA	1995-1998	77925	Claircom Communications	Canada	07-Sep-95	25-Jan-96	Telephone Handset
188.DE	M9507231.4	M9507231.4	Claircom Communications	Germany	07-Sep-95	21-Feb-96	Telephone Handset
188.FR	954887	954887	Claircom Communications	France	11-Sep-95	09-Feb-96	Telephone Handset
188.GB	2050278	2050278	Claircom Communications	Great Britain	08-Sep-95	25-Jan-96	Telephone Handset
188.HK	2050278	9900591	Claircom Communications	Hong Kong	10-Mar-95	23-Jul-99	Telephone Handset
188.KR	16827/1995	192764	Claircom Communications	South Korea	07-Sep-95	03-Feb-97	Telephone Handset
188.SE	951701	59555	Claircom Communications	Sweden	08-Sep-95	05-Jun-96	Telephone Handset
188.SG	2050278	2050278	Claircom Communications	Singapore	08-Sep-95	25-Jan-96	Telephone Handset
188.US	29/035969	D371553	Claircom Communications	United States	10-Mar-95	09-Jul-96	Telephone Handset
189.EPC	96907201.6		Claircom Communications	European Patent Convention	08-Mar-96		Tube Mounted Telephone Handset in an Armrest
189.HK	98106849.3		Claircom Communications	Hong Kong	26-Jun-98		Tube Mounted Telephone Handset in an Armrest
189.US	2548877	5627891	Claircom Communications	United States	10-Mar-95	06-May-97	Tube Mounted Telephone Handset in an Armrest

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
191.DE	29580194.8	29580194.8	Claircom Communications	Germany	25-Apr-95	20-Feb-97	Airplane Telephone
191.JP	527740/95		Claircom Communications	Japan	25-Apr-95		Airplane Telephone
191.KR	10-1996-705967	10-348946	Claircom Communications	South Korea	25-Apr-95	02-Aug-02	Airplane Telephone
191.MX	965011		Claircom Communications	Mexico	25-Apr-95		Airplane Telephone
191.PCT	PCT/US95/04821	95/04821	Claircom Communications	Patent Cooperation Treaty	25-Apr-95	02-Nov-95	Airplane Telephone
193.US	08/040180	5463678	Claircom Communications	United States	26-Mar-93	31-Oct-95	Credit Card Reader
195.US	08/040179	5410597	Claircom Communications	United States	26-Mar-93	25-Apr-95	Wired Seat Back Aircraft Telephone Set
196.US	08/040178	5394467	Claircom Communications	United States	26-Mar-93	28-Feb-95	Multi-Purpose Telephone Strain Relief
198.US	08/042426	5455964	Claircom Communications	United States	26-Mar-93	03-Oct-95	Stabilization of Frequency and Power in an Airborne Communication System
199.US	29/007592	D361568	Claircom Communications	United States	26-Mar-93	22-Aug-95	Airplane Telephone Set
251.US.C1	08/451719	6393281	Claircom Communications	United States	26-May-95	21-May-02	Seamless Hand-Off for Air-To-Ground Systems
259.US.C6C2C2	09/451579		Claircom Communications	United States	30-Nov-99		Multi-Nodal Digital Telephone Distribution System
259.US.C6C4C1	Mailed		Claircom Communications	United States	14-Mar-01		Multi-Nodal Digital Telephone Distribution System
375.US.C1	09/520806	6449287	Claircom Communications	United States	08-Mar-00	10-Sep-02	Short Messaging Method and System for Airborne Passengers
375.US.C1(1)	10/211929		Claircom Communications	United States	02-Aug-02		Short Messaging Method and System for Airborne Passengers

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
153.DE	M9409857.3	M9409857.3	McCaw Cellular Communications	Germany	14-Dec-94	10-Apr-95	Wireless Communications Terminal
153.FL.1	861/94	17729	McCaw Cellular Communications	Finland	21-Dec-94	29-Sep-95	Wireless Communications Terminal
153.FL.2	862/94	17730	McCaw Cellular Communications	Finland	21-Dec-94	29-Sep-95	Wireless Communications Terminal
153.FR	946994	946994	McCaw Cellular Communications	France	22-Dec-94	31-Mar-95	Wireless Communications Terminal
153.IT	TO940000254	69309	McCaw Cellular Communications	Italy	22-Dec-94	20-Apr-00	Wireless Communications Terminal
153.JP	39446/1994	953799	McCaw Cellular Communications	Japan	22-Dec-94	26-Feb-96	Wireless Communications Terminal
153.SE.1	942575	57901	McCaw Cellular Communications	Sweden	22-Dec-94	05-Jul-95	Wireless Communications Terminal
153.SE.2	942576	57902	McCaw Cellular Communications	Sweden	22-Dec-94	05-Jul-95	Wireless Communications Terminal
2001-TE001	09/944380	6708226	Teleflex Information Systems, Inc.	United States	04-Sep-01	16-Mar-04	Multithreaded Batch Processing System
2001-TE001	08/868942	6332167	Teleflex Information Systems, Inc.	United States	04-Jun-97	18-Dec-01	Multithreaded Batch Processing System
2001-TE001	08/229526	5668993	Teleflex Information Systems, Inc.	United States	19-Apr-94	16-Sep-97	Multithreaded Batch Processing System
2001-TE002	2184368		Teleflex Information Systems, Inc.	Canada	23-Feb-95		Method and Apparatus for Processing Discrete Billing Events
2001-TE002	08/698277	5724584	Teleflex Information Systems, Inc.	United States	19-Apr-94	03-Mar-98	Method and Apparatus for Processing Discrete Billing Events
2001-TE003	2184369		Teleflex Information Systems, Inc.	Canada	23-Feb-95		No-Reset Option in a Batch Billing System

Execution Copy

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
2001-TE003	09/933827	6658488	Teleflex Information Systems, Inc.	United States	27-Aug-01	02-Dec-03	No-Reset Option in a Batch Billing System
2001-TE003	09/340384	6282519	Teleflex Information Systems, Inc.	United States	28-Jun-99	28-Aug-01	No-Reset Option in a Batch Billing System
2001-TE003	08/377610	5999916	Teleflex Information Systems, Inc.	United States	25-Jan-95	07-Dec-99	No-Reset Option in a Batch Billing System
2001-TE003.C1	10/622106		Teleflex Information Systems, Inc.	United States	17-Jul-03		No-Reset Option in a Batch Billing System

Supporting Documentation Showing Evidence of Chain of Title for Patent Applications

The following documents represent evidence of the chain of title of all AT&T Wireless application to Cingular Wireless II, LLC.

- 1) **New Cingular Wireless Services, Inc. Secretary Certificate** signed by Caroline Wilder, Assistant Secretary. This document certifies the following:
 - a) Agreement and Plan of Merger was entered into by AT&T Wireless Services, Inc. (ATTW), Cingular Wireless Corporation, Cingular Wireless, LLC and Links I Corporation whereby ATTW would be merged in to Links I. Whereby ATTW would be the survivor of the merger.
 - b) A true and correct copy of the Certificate of merger filed with the Delaware Secretary of State is attached and remains in effect.
 - c) As a result of the merger, ATTW becomes a wholly owned subsidiary of Cingular Wireless, LLC.
 - d) The name of ATTW was changed to New Cingular Wireless Services, Inc. on 10/24/2004.
 - e) A true and correct copy of the name change of ATTW is attached and remains in effect.
- 2) A true and correct copy of the Certificate of Merger filed with the Delaware Secretary of State.
- 3) A true and correct copy of the name change of ATTW.
- 4) A true and correct copy of the Certificate of Conversion showing change of status of CWII, Inc to CWII, LLC.

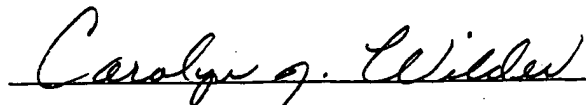
NEW CINGULAR WIRELESS SERVICES, INC.

SECRETARY'S CERTIFICATE

I, Carolyn J. Wilder, do hereby certify that I am a duly elected, qualified and acting Assistant Secretary of New Cingular Wireless Services, Inc., a Delaware corporation, and as such I am authorized to execute this certificate. In such capacity, I further certify that:

1. An Agreement and Plan of Merger (the "Agreement") dated as of February 17, 2004 was entered into by and among AT&T Wireless Services, Inc., Cingular Wireless Corporation, Cingular Wireless LLC and Links I Corporation, a wholly-owned subsidiary of Cingular whereby AT&T Wireless Services, Inc. would be merged into Links I Corporation upon the terms and conditions of the Agreement, and AT&T Wireless Services, Inc. would be the survivor of the merger.
2. The merger of AT&T Wireless Services, Inc. into Links I Corporation was consummated on October 26, 2004.
3. The attached Exhibit "A" is a true and correct copy of the Certificate of Merger filed with the Delaware Secretary of State and that said Certificate of Merger remains in full force and effect on the date hereof.
4. As a result of the consummation of the merger, AT&T Wireless Services, Inc. became a wholly-owned subsidiary of Cingular Wireless LLC.
5. The name of AT&T Wireless Services, Inc. was changed to New Cingular Wireless Services, Inc. on October 26, 2004.
6. The attached Exhibit "B" is a true and correct copy of the Certificate of Amendment to The Certificate of Incorporation of AT&T Wireless Services, Inc. changing the name of the corporation to New Cingular Wireless Services, Inc. as filed with the Delaware Secretary of State and that said Certificate of Amendment to The Certificate of Incorporation remains in full force and effect on the date hereof.

IN WITNESS WHEREOF, I have subscribed my name as Assistant Secretary of the Company this 11th day of May, 2005.


Carolyn J. Wilder, Assistant Secretary

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"LINKS I CORPORATION", A DELAWARE CORPORATION,

WITH AND INTO "AT&T WIRELESS SERVICES, INC." UNDER THE NAME OF "AT&T WIRELESS SERVICES, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-SIXTH DAY OF OCTOBER, A.D. 2004, AT 10:11 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



2131363 8100M

040725208

Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

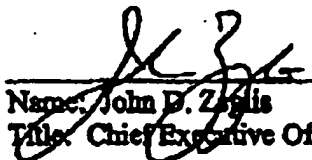
AUTHENTICATION: 3434252

DATE: 10-26-04

SEVENTH: This certificate of merger shall be effective upon its filing with the Secretary of State of the State of Delaware.

IN WITNESS WHEREOF, this Certificate of Merger has been executed by the undersigned, a duly authorized officer of the Surviving Corporation, on behalf of the Surviving Corporation as of the 26th day of October, 2004.

AT&T WIRELESS SERVICES, INC.

By: 
Name: John D. Ziegler
Title: Chief Executive Officer

SEVENTH. Any action required or permitted to be taken by the holders of Common Stock of the corporation, including but not limited to the election of directors, may be taken by written consent or consents but only if such consent or consents are signed by all holders of Common Stock.

EIGHTH. A director of the corporation shall not be liable to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, except to the extent that such exemption from liability or limitation thereof is not permitted under the Delaware General Corporation Law as currently in effect or as the same may hereafter be amended. No amendment, modification or repeal of this Article EIGHTH shall adversely affect any right or protection of a director that exists at the time of such amendment, modification or repeal.

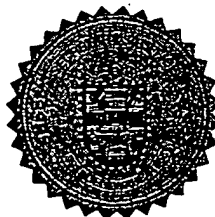
Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "AT&T WIRELESS SERVICES, INC.", CHANGING ITS NAME FROM "AT&T WIRELESS SERVICES, INC." TO "NEW CINGULAR WIRELESS SERVICES, INC.", FILED IN THIS OFFICE ON THE TWENTY-SIXTH DAY OF OCTOBER, A.D. 2004, AT 11:01 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



2131363 8100

040770545

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3434831

DATE: 10-26-04

State of Delaware
Secretary of State
Division of Corporations
Delivered 11:23 AM 10/26/2004
FILED 11:01 AM 10/26/2004
SRV 040770545 - 2131363 FILE

**CERTIFICATE OF AMENDMENT
TO THE
CERTIFICATE OF INCORPORATION
OF
AT&T WIRELESS SERVICES, INC.**

AT&T Wireless Services, Inc., a corporation organized and existing under and by virtue of the Delaware General Corporation Law (the "Corporation"), does hereby certify:

FIRST: That on October 26, 2004, the Board of Directors of the Corporation adopted resolutions setting forth a proposed amendment to the Certificate of Incorporation of the Corporation, declaring said amendment to be advisable and submitting the proposed amendment to the sole stockholder of the Corporation for its consideration and approval. The proposed amendment is as follows:

NOW, THEREFORE, BE IT RESOLVED, that the Certificate of Incorporation of the Corporation be amended by deleting the first paragraph in its entirety and replacing it with a new first paragraph to read as follows:

"FIRST. The name of the corporation is New Cingular Wireless Services, Inc."

SECOND: That thereafter on October 26, 2004, said amendment was duly adopted by written consent of the sole stockholder of the Corporation in accordance with the provisions of Sections 228 and 242 of the Delaware General Corporation Law.

[Signature on following page]

IN WITNESS WHEREOF, AT&T Wireless Services, Inc. has caused this Certificate of Amendment to be signed by a duly authorized officer this 26th day of October, 2004.

AT&T WIRELESS SERVICES, INC.

By: Carolyn J. Wilder
Name: Carolyn J. Wilder
Title: Assistant Secretary

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "CINGULAR WIRELESS II, INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "CINGULAR WIRELESS II, INC." TO "CINGULAR WIRELESS II, LLC", FILED IN THIS OFFICE ON THE TWENTY-SEVENTH DAY OF OCTOBER, A.D. 2004, AT 10:27 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE TWENTY-SEVENTH DAY OF OCTOBER, A.D. 2004, AT 8:45 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



3858251 8100V

040774599

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3437873

DATE: 10-27-04

State of Delaware
Secretary of State
Division of Corporations
Delivered 10:47 AM 10/27/2004
FILED 10:27 AM 10/27/2004
SRV 040774599 - 3858251 FILE

**CERTIFICATE OF CONVERSION OF
CINGULAR WIRELESS II, INC.
TO BECOME A LIMITED LIABILITY COMPANY**

Pursuant to the provisions of Section 266 of the Delaware General Corporation Law and Section 18-214 of the Delaware Limited Liability Company Act, Cingular Wireless II, Inc., a Delaware corporation (the "Corporation"), submits the following Certificate of Conversion:

1. The name of the Corporation is Cingular Wireless II, Inc.
2. The date on which the Corporation's original Certificate of Incorporation was filed with the Secretary of State is September 22, 2004.
3. The name of the limited liability company into which the Corporation is being converted is Cingular Wireless II, LLC.
4. The conversion has been approved by written consent of the sole stockholder of the Corporation pursuant to Section 228 of the Delaware General Corporation Law in accordance with the provisions of Section 266 of the Delaware General Corporation Law.
5. The conversion shall be effective at 8:45 p.m. EDT on October 27, 2004.

[Signature on following page]

IN WITNESS WHEREOF, Cingular Wireless II, Inc. has caused this Certificate of Conversion to be executed by a duly authorized officer this 27th day of October, 2004.

CINGULAR WIRELESS II, INC.

By: Carolyn J. Wilder
Name: Carolyn J. Wilder
Title: Assistant Secretary

Delaware

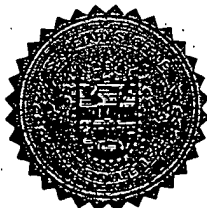
PAGE 2

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "CINGULAR WIRELESS II, LLC" FILED IN THIS OFFICE ON THE TWENTY-SEVENTH DAY OF OCTOBER, A.D. 2004, AT 10:27 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF FORMATION IS THE TWENTY-SEVENTH DAY OF OCTOBER, A.D. 2004, AT 8:45 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



3858251 8100V

040774599

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3437873

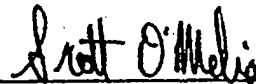
DATE: 10-27-04

State of Delaware
Secretary of State
Division of Corporations
Delivered 10:47 AM 10/27/2004
FILED 10:27 AM 10/27/2004
SRV 040774599 - 3858251 FILE

**CERTIFICATE OF FORMATION
OF
CINGULAR WIRELESS II, LLC**

1. The name of the limited liability company is Cingular Wireless II, LLC.
2. The address of its registered office in the state of Delaware is Corporation Trust Center, 1209 Orange Street, in the City of Wilmington, County of New Castle. The name of its registered agent at such address is The Corporation Trust Company.
3. This Certificate of Formation shall be effective at 8:45 p.m. EDT on October 27, 2004.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation of Cingular Wireless II, LLC this 27th day of October, 2004.



Scott L. O'Melia
An Authorized Person

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